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THE COMMONWEALTH OF MASSACHUSETTS

ANNUAL REPORT
OF THE
DEPARTMENT OF EDUCATION

YEAR ENDING JUNE 30, 1964

ISSUED IN ACCORDANCE WITH SECTION 2 OF CHAPTER 69
OF THE GENERAL LAWS

PART I



VOLUME 128

1953-1964

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ANNUAL REPORT OF THE DEPARTMENT OF EDUCATION

PART I

Year Ending June 30, 1964

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1963-1964

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EDUCATIONAL DIRECTORY

DEPARTMENT OF EDUCATION

200 Newbury Street, Boston 02116

BOARD OF EDUCATION

Term Expires

1965	Dr. William E. Park, Chairman, Simmons College, Boston
1967	Dr. Leo C. Donahue, Vice-Chairman, 12 Benton Road, Somerville
1970	Dr. James R. Killian, Jr., Secretary, Massachusetts Institute of Technology, Cambridge
1963	Mrs. Robert A. Pederson, Box 191, R.D. #3, Great Barrington
1964	Mr. Stuart Macmillan, 15 State Street, Boston
1966	Mr. Joseph Salerno, 73 Tremont Street, Boston
1968	Mr. Philip Driscoll, Brandeis University, Waltham
1969	Dr. John W. McDevitt, 11 Bacon Road, Bedford
1971	Dr. Abram L. Sachar, Brandeis University, Waltham

Dr. Owen B. Kiernan, Commissioner of Education and Executive Officer

BOARD OF COLLEGIATE AUTHORITY

Ex Officio, Dr. Owen B. Kiernan, Commissioner of Education, Chairman

Term Expires

1963	Mrs. Robert A. Pederson, Box 191, R.D. #3, Great Barrington
1964	Mr. Stuart Macmillan, 15 State Street, Boston
1964	Dr. Martin Lichterman, 5 Constitution Road, Lexington
1965	Dr. William E. Park, Simmons College, Boston
1965	Miss Mildred C. Thelen, Wellesley High School, Wellesley
1966	Mr. Joseph Salerno, 73 Tremont Street, Boston
1966	Very Reverend Richard H. Sullivan, C.S.C., Stonehill College, North Easton
1967	Dr. Leo C. Donahue, 12 Benton Road, Somerville
1967	Dr. Louis Menand, III, Bradford Junior College, Bradford
1968	Mr. Philip Driscoll, Brandeis University, Waltham
1969	Dr. John W. McDevitt, 11 Bacon Road, Bedford
1970	Dr. James R. Killian, Jr., Massachusetts Institute of Technology, Cambridge
1971	Dr. Abram L. Sachar, Brandeis University, Waltham

STATE BOARD FOR VOCATIONAL EDUCATION

THE BOARD OF EDUCATION

and

Ex Officio, Dr. Owen B. Kiernan, Commissioner of Education

ADMINISTRATIVE STAFF

Thomas J. Curtin, Deputy Commissioner of Education
Edward M. Gilpatrick, Business Agent
Gerald F. Lambert, Coordinator, Federally Aided Educational Program
_____, Assistant Business Agent
William J. Wallace, Senior Attorney
Mario Stracqualursi, Supervisor of Personnel
John J. Callahan, Jr., Supervisor in Education (Civil Defense
Education Officer)
James E. Burke, Agent, Board of Collegiate Authority
Katherine F. Murphy, Secretary to the Commissioner
Mary E. McKay, Assistant Secretary, Board of Education, and Secretary,
Board of Collegiate Authority

DIVISIONS AND OFFICES OF THE DEPARTMENT

DIVISION OF ELEMENTARY AND SECONDARY EDUCATION

Everett G. Thistle, Director

Warren E. Benson, Senior Supervisor, Guidance and Placement
Francis J. Farrenkopf, Senior Supervisor, Guidance, Counseling, and
Testing
John P. Hogan, Senior Supervisor, Guidance, Counseling, and Testing
_____, Senior Supervisor, Guidance, Counseling, and Testing
Lawrence A. Ovian, Senior Supervisor, Secondary Education
John W. Packard, Senior Supervisor, Science
James R. Powers, Senior Supervisor, Modern Foreign Languages
Jesse O. Richardson, Senior Supervisor, Science and Mathematics
John T. Schomer, Jr., Senior Supervisor, Elementary Education
Ralph H. Colson, Supervisor, Health, Physical, and Safety Education
Vincent J. Worden, Supervisor, Guidance, Counseling, and Testing
Martina M. Driscoll, Supervisor, Music
Ernest A. Frechette, Supervisor, Modern Foreign Languages
C. Louis Cedrone, Supervisor, Elementary Education
Frank F. Chrapliwy, Supervisor, Conservation Education
Thomas F. Williams, Supervisor, Mathematics
John A. Geovanis, Supervisor, Secondary Education
William Hewson, Supervisor, Guidance, Counseling, and Testing

DIVISION OF VOCATIONAL EDUCATION

Walter J. Markham, Director

John F. Shea, Assistant Director

James L. Burke, Senior Supervisor, Industrial Schools for Boys and Men
Thomas K. Burke, Senior Supervisor, Vocational Art Education in Industry
Francis J. Lombard, Senior Supervisor, Vocational Administration
William J. McConnell, Senior Supervisor, Industrial Schools for Boys and
Public Service Training
John P. Morine, Senior Supervisor, Occupational Information and Vocational
Guidance
Robert P. Nolan, Senior Supervisor, Surplus Property Distribution
Jesse A. Taft, Senior Supervisor, Agricultural Schools and Departments
Caroline H. Wilson, Senior Supervisor, Industrial Schools, Household Arts
Schools and Departments for Girls and Women
Walter C. Verney, Senior Supervisor, Manpower Development and Training
Grace L. Nangle, R.N., Senior Supervisor, Practical Nurse Education
Garrett T. Barry, Senior Supervisor, Private Trade Schools
_____, Supervisor, Adult Distributive Education
Ruth M. Shea, Supervisor, Industrial Schools, Household Arts Schools and
Departments
Helen J. McClintock, Supervisor, Adult Homemaking and Craft Education
Mary I. McKay, Supervisor, Teacher Training Distributive Education
Raphaella A. Piccucci, Supervisor, Practical Nurse Education
Agnes M. O'Neill, Supervisor, Household Arts (Framingham State College)
Matthew E. Cardoza, Supervisor, Vocational Administration
John Connolly, Supervisor, Industrial Schools for Boys and Men
_____, Supervisor, Agricultural Schools and Departments (University
of Massachusetts)
Alfred F. Hoyle, Supervisor, Industrial Schools for Boys and Men
_____, Supervisor, Teacher Training Adult Homemaking and Craft
Education

In Service Training for Veterans

James E. Burke, Agent, Board of Collegiate Authority, and Senior Supervisor,
Veterans' Training
_____, Supervisor, Veterans' Training

UNITED STATES DEPARTMENT OF AGRICULTURE

WASHINGTON, D. C.

February 1, 1911

Dear Sir: I have the honor to acknowledge the receipt of your letter of the 28th inst. in relation to the matter of the proposed amendment to the act of March 3, 1907, relating to the registration of land titles in the several States. The Department is at present considering the matter and will advise you as soon as a decision has been reached. In the meantime, you are requested to continue to keep the Department advised of any further developments in the matter. Very respectfully,
J. B. HARRIS, Chief of Bureau of Land Management

Very truly yours,
J. B. HARRIS

Enclosed for the Bureau are two copies of the proposed amendment to the act of March 3, 1907, relating to the registration of land titles in the several States. One copy of the same is also being furnished to the Department of the Interior for its consideration.

DIVISION OF UNIVERSITY EXTENSION

Franklin P. Hawkes, Director

E. Warren Clarke, Senior Supervisor in Education
Walter F. Reavey, Senior Supervisor, Driver Education
Agnes F. Fennelly, Supervisor in Education
_____, Supervisor in Education
Thomas S. Hutcheson, Supervisor in Education
Otto Kiessling, Supervisor in Education
Harold F. McNulty, Supervisor in Education
Leo F. A. Murphy, Supervisor in Education
Mary K. Prendergast, Supervisor in Education
Carlo A. Simeoli, Supervisor in Education
Robert B. Wentworth, Supervisor in Education
Kelsey B. Sweatt, Supervisor in Education and Co-ordinator, Audio-Visual
Services
William N. Goudey, Assistant Supervisor in Education
Melville H. Rood, Jr., Assistant Supervisor in Education
_____, Assistant Supervisor in Education
_____, Assistant Supervisor in Education
Richard J. Barrett, Organizing Extension Instructor
Spencer D. Eddy, Organizing Extension Instructor
Patricia Hollander, Organizing Extension Instructor
_____, Organizing Extension Instructor
Earl Adreani, University Extension Instructor
Lester C. Gellar, University Extension Instructor
Margaret A. Moline, University Extension Instructor
Gabriel R. Passero, University Extension Instructor
Joyce A. Tully, University Extension Instructor

DIVISION OF SPECIAL EDUCATION

Philip G. Cashman, Director

Nicholas J. Wells, Senior Supervisor, Mentally Retarded Children
Helen I. Collins, Supervisor, Physically Handicapped Children
Marjorie J. Frye, Supervisor, Blind, and Partially Seeing Children
Anthony V. DeLeo, Supervisor, Mentally Retarded Children, Bridgewater
State College
Catherine G. FitzGerald, Supervisor, Mentally Retarded Children, 236
Chestnut Street, Springfield
Marianne C. McKeon, Supervisor, Deaf Children
William J. O'Brien, Supervisor, Mentally Retarded Children
Everett G. O'Keefe, Supervisor, Mentally Retarded Children, Worcester
William A. Philbrick, Jr., Senior Supervisor, Emotionally Disturbed
Children
John H. Gray, Supervisor, Mentally Retarded Children
_____, Assistant Supervisor, Blind and Partially Seeing Children

DIVISION OF CIVIC EDUCATION

Margaret M. Gearan, Director

Lawrence M. Bongiovanni, Supervisor
_____, Supervisor

DIVISION OF TEACHER CERTIFICATION AND PLACEMENT

John P. McGrail, Director

David L. Fitzpatrick, Supervisor in Education

DIVISION OF RESEARCH AND STATISTICS

Raymond S. Dower, Jr., Director

John J. Magee, Senior Supervisor in Education
Glenn A. Myers, Supervisor in Education
Frank H. Livak, Supervisor in Education
William J. Crowley, Assistant Supervisor in Education
Thomas P. Lenane, Assistant Supervisor in Education

DIVISION OF LIBRARY EXTENSION

Board of Library Commissioners

Term Expires

1968	Richard J. Sullivan, Chairman, Reading
1968	John A. Humphry, Secretary, Springfield
1964	John D. Kelley, Somerville
1965	
1966	

V. Genevieve Galick, Director

Alice M. Cahill, Assistant Director

M. Elizabeth Flynn, Supervisor of Field Services
Catherine R. McCarthy, Supervisor of Field Services
Joan E. Sawyer, Supervisor of Field Services
Charles W. Adams, Supervisor of School Libraries
Barbara A. Banaghan, Chief of Book Services

SECTION 1. TITLE

Section 1. Title

Section 1. Title

SECTION 2. PURPOSE

Section 2. Purpose

Section 2. Purpose

SECTION 3. SCOPE

Section 3. Scope

Section 3. Scope

SECTION 4. DEFINITIONS

Section 4. Definitions

Section 4. Definitions

Section 4. Definitions

SECTION 5. REFERENCES

Section 5. References

Section 5. References

OFFICE OF SCHOOL LUNCH PROGRAMS

600 Washington Street, Boston 02111
542-8890

John C. Stalker, Director
Thomas B. Donoghue, Assistant Director

_____, Supervisor in Education
Frances R. Cullen, Assistant Supervisor
James J. McGrath, Supervisor in Accounting
John E. Bent, Senior Accountant
Michael J. Rolli, Supervisor of Distribution
Joseph J. Bunevith, Field Agent in Accounting
Joseph A. Cella, Field Agent in Accounting
Angelo A. Sbardello, Field Agent in Accounting
Marjorie E. Cowles, Field Representative in Nutrition
Louise Frederick, Field Representative in Nutrition
Diane T. Plevock, Field Representative in Nutrition
Geraldine M. Shea, Field Representative in Nutrition
Robert R. Cleary, Field Agent in Accounting
Donald D. Johnson, Field Agent in Accounting

DIVISION OF IMMIGRATION AND AMERICANIZATION

73 Tremont Street, Room 209, Boston 02108
227-0718

Members of the Board

Term Expires

1964	Marian Bullen, Cambridge
1964	Clementina Langone, Boston
1965	Edith Brickman, Boston
1965	Carol Offenbach, Melrose
1966	Gemma Valenti, Medford
1966	Robert Patenaude, North Adams

Teofilia K. Tattan, Supervisor of Social Service

Social Workers

Carolyn D. Jackym, Boston
Bryna Lansky, Boston
Marjorie S. Reynolds, Boston
Guy A. Scutell, Boston

1970-71 School Year

1971-72 School Year

1972-73 School Year

1973-74 School Year

1974-75 School Year

1975-76 School Year

1976-77 School Year

1977-78 School Year

1978-79 School Year

1979-80 School Year

1980-81 School Year

1981-82 School Year

District Immigration Agents

Andrew W. Ansara, Lawrence
Daniel J. Donahue, Fall River
John A. McInnes, Springfield
Edmund B. Meduski, Worcester

DIVISION OF THE BLIND

14 Court Square, Boston 02108
523-0200

Advisory Board

Term Expires

1968	Robert M. Prouty, Chairman, Hingham
1964	Stephanie Barker, Watertown
1965	Martin L. Camacho, Cambridge
1966	Edward J. Waterhouse, Watertown
1967	George Alevizos, Boston

John F. Mungovan, Director

Michael L. Sullivan, Supervisor of Research
Mary E. McLaughlin, Supervisor, Children's Services
Frederick D. Greehan, Supervisor, Vocational Rehabilitation
Ethel M. Frederick, Supervisor, Aid to the Blind
Edward F. Durgin, Supervisor of Industries
George T. Curtin, Supervisor of Individual Services
Mary Fay Callero, Assistant Supervisor, Home Teaching

SCHOOL BUILDING ASSISTANCE COMMISSION

88 Broad Street, Room 618, Boston 02110
426-8863

Ex Officio, Owen B. Kiernan, Commissioner of Education

Term Expires

1965	Arthur F. Eldridge, Chairman, Shelburne Falls
1965	Gabriel L. DiBattista, Milford
1965	John E. Deady, Dorchester
1965	Harold Holmquist, Boylston
1965	Albert B. Humphrey, South Egremont
1965	E. Davis Woodbury, Milton

Simeon J. Domas, Administrator

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TEACHERS' RETIREMENT BOARD

88 Broad Street, Boston 02110
426-5497

Members of the Board

Ex Officio, Owen B. Kiernan, Chairman

Term Expires

1963 Raymon W. Eldridge, Brookline
1963 Helen N. Theinert, Springfield

Joseph B. Carroll, Executive Secretary

DIVISION OF YOUTH SERVICE

14 Somerset Street, Boston 02108
227-4600

Youth Service Board

Term Expires

1964 John D. Coughlan, Director of Division and Chairman of
the Youth Service Board, Melrose
Ernest W. Mitchell, Assistant to the Director
1963 Thomas J. Turley, Boston
1965 Cecelia McGovern, Chestnut Hill

Advisory Committee on Service to Youth

Term Expires

1964 Edgar Grossman, Chairman, Newton
1968 Frederick F. Fahey, Vice-Chairman, Dalton
1964 Agnes C. Lavery, Boston
1964 John W. Roberts, Boston
1964 Dr. Elsa Siipola, Northampton
1964 Harold H. Williams, West Yarmouth
1966 George Cashman, Newburyport
1966 Elaine A. Dray, Deerfield
1966 Alice L. Halligan, Springfield
1966 John R. Mullen, Wollaston
1966 Reverend William H. Roche, Boston
1968 Edythe Cataloni, Mansfield
1968 Frank Wattors, Watertown
1968 James R. Goonan, Kingston
1968 Dr. Bert E. Grove, Webster

WASHINGTON: DISTRICT COURT
 IN AND FOR THE DISTRICT OF
 COLUMBIA
 Case No. 12345
 Plaintiff, vs. Defendant

Page 1 of 1

Dated this 1st day of January, 1901
 at Washington, D.C.

Signed and sealed in presence of

WITNESSES:
 J. Edgar Hoover, Clerk of Court
 John Doe, Attorney

Done and signed at Washington, D.C.

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Youth Service (Continued)

School	Superintendent
Industrial School for Girls	Elizabeth Bode, Lancaster
Industrial School for Boys	John Hastings, Shirley
Lyman School for Boys	John M. Borys, Westborough
Reception-Detention Center for Girls	Beatrice M. Ingenere 105 South Huntington Avenue Boston
Institution for Juvenile Guidance	John Ball, South Bridgewater
Reception-Detention Center for Boys	Francis H. Maloney, Jr. 450 Canterbury Street, Boston
Residential Treatment Unit	Patrick F. Creeden, Oakdale
Westfield Detention Center	Edward Coyne
Worcester Detention Center	Francis Oroway
Stephen L. French Youth Forestry Camp	William MacDonald, East Brewster

EXECUTIVE COMMITTEE FOR EDUCATIONAL TELEVISION

Term Expires

1964	William F. Young, Chairman, Superintendent of Schools, Braintree
1964	William J. Cunningham, Assistant Superintendent of Schools, Boston
1964	Rt. Rev. Monsignor Albert W. Low, Superintendent of Schools, Archdiocese of Boston
1965	Norman Harris, Education Director, Museum of Science, Boston
1965	William M. Powers, Superintendent of Schools, Needham
1965	Frederick B. Robinson, Executive Director, Museum of Fine Arts, Springfield
1966	John B. Chaffee, Superintendent of Schools, Wellesley
1966	John L. Fitzpatrick, Superintendent of Schools, Chicopee
1966	W. Gordan Swan, Chairman of the School Committee, Milton
1967	Thomas J. Curtin, Deputy Commissioner of Education, Commonwealth of Massachusetts
1967	Hart Fessenden, Headmaster, Fessenden School, Newton
1967	Horace W. Hewlett, Secretary, Amherst College, Amherst

Alan R. Stephenson, Director of the 21 Inch Classroom

739 Boylston Street, Boston 02116
267-4880

Year	Number of cases	Number of deaths	Number of recoveries
1950	100	5	95
1951	120	6	114
1952	150	8	142
1953	180	10	170
1954	200	12	188
1955	220	14	206
1956	250	16	234
1957	280	18	262
1958	300	20	280
1959	320	22	300
1960	350	25	325
1961	380	28	352
1962	400	30	370
1963	420	32	388
1964	450	35	415
1965	480	38	442
1966	500	40	460
1967	520	42	478
1968	550	45	505
1969	580	48	532
1970	600	50	550

Table 2. Summary of data

Year	Number of cases	Number of deaths	Number of recoveries
1971	620	52	568
1972	650	55	595
1973	680	58	622
1974	700	60	640
1975	720	62	658
1976	750	65	685
1977	780	68	712
1978	800	70	730
1979	820	72	748
1980	850	75	775
1981	880	78	802
1982	900	80	820
1983	920	82	838
1984	950	85	865
1985	980	88	892
1986	1000	90	910
1987	1020	92	928
1988	1050	95	955
1989	1080	98	982
1990	1100	100	1000

Table 3. Summary of data

Table 4. Summary of data

BOARD OF EDUCATIONAL ASSISTANCE

Ex Officio, Owen B. Kiernan, Commissioner of Education
 Ex Officio, John W. Lederle, President of the University of Massachusetts,
 Amherst
 Ex Officio, Helge Holst, President, Massachusetts Higher Education
 Assistance Corporation, Boston
 Ex Officio, Daniel H. O'Leary, Chairman, Lowell

Term Expires

1966	Salvatore Camelio, Boston
1966	J. Henry Goguen, Leominster
1966	Harry Olins, Boston
1967	Andrew J. Torrielli, Belmont
1968	Harold C. Case, Boston
1968	Reverend Vincent McQuade, Andover
1969	Charles S. Johnson, Bedford

Conrad L. Kohler, Executive Secretary

MEDICAL, DENTAL, AND NURSING SCHOLARSHIP BOARD

Term Expires

1966	Raymond P. Harold, Chairman, Worcester
1966	George A. Michael, D.S.C., Secretary, Boston
1965	Sante Caldarola, M.D., Springfield
1965	Joseph Martins, Fall River
1965	Ivor P. Muzzy, D.M.D., Orange
1966	Rose P. DeSuza, Concord
1966	Eleanor A. Gaffney, Jamaica Plain
1967	Hyman Duby, M.D., Plymouth

DIVISION OF STATE COLLEGES

John Gillespie, Director

Francis X. Guindon, Assistant Director

1. 2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 20. 21. 22. 23. 24. 25. 26. 27. 28. 29. 30. 31. 32. 33. 34. 35. 36. 37. 38. 39. 40. 41. 42. 43. 44. 45. 46. 47. 48. 49. 50. 51. 52. 53. 54. 55. 56. 57. 58. 59. 60. 61. 62. 63. 64. 65. 66. 67. 68. 69. 70. 71. 72. 73. 74. 75. 76. 77. 78. 79. 80. 81. 82. 83. 84. 85. 86. 87. 88. 89. 90. 91. 92. 93. 94. 95. 96. 97. 98. 99. 100. 101. 102. 103. 104. 105. 106. 107. 108. 109. 110. 111. 112. 113. 114. 115. 116. 117. 118. 119. 120. 121. 122. 123. 124. 125. 126. 127. 128. 129. 130. 131. 132. 133. 134. 135. 136. 137. 138. 139. 140. 141. 142. 143. 144. 145. 146. 147. 148. 149. 150. 151. 152. 153. 154. 155. 156. 157. 158. 159. 160. 161. 162. 163. 164. 165. 166. 167. 168. 169. 170. 171. 172. 173. 174. 175. 176. 177. 178. 179. 180. 181. 182. 183. 184. 185. 186. 187. 188. 189. 190. 191. 192. 193. 194. 195. 196. 197. 198. 199. 200. 201. 202. 203. 204. 205. 206. 207. 208. 209. 210. 211. 212. 213. 214. 215. 216. 217. 218. 219. 220. 221. 222. 223. 224. 225. 226. 227. 228. 229. 230. 231. 232. 233. 234. 235. 236. 237. 238. 239. 240. 241. 242. 243. 244. 245. 246. 247. 248. 249. 250. 251. 252. 253. 254. 255. 256. 257. 258. 259. 260. 261. 262. 263. 264. 265. 266. 267. 268. 269. 270. 271. 272. 273. 274. 275. 276. 277. 278. 279. 280. 281. 282. 283. 284. 285. 286. 287. 288. 289. 290. 291. 292. 293. 294. 295. 296. 297. 298. 299. 300. 301. 302. 303. 304. 305. 306. 307. 308. 309. 310. 311. 312. 313. 314. 315. 316. 317. 318. 319. 320. 321. 322. 323. 324. 325. 326. 327. 328. 329. 330. 331. 332. 333. 334. 335. 336. 337. 338. 339. 340. 341. 342. 343. 344. 345. 346. 347. 348. 349. 350. 351. 352. 353. 354. 355. 356. 357. 358. 359. 360. 361. 362. 363. 364. 365. 366. 367. 368. 369. 370. 371. 372. 373. 374. 375. 376. 377. 378. 379. 380. 381. 382. 383. 384. 385. 386. 387. 388. 389. 390. 391. 392. 393. 394. 395. 396. 397. 398. 399. 400. 401. 402. 403. 404. 405. 406. 407. 408. 409. 410. 411. 412. 413. 414. 415. 416. 417. 418. 419. 420. 421. 422. 423. 424. 425. 426. 427. 428. 429. 430. 431. 432. 433. 434. 435. 436. 437. 438. 439. 440. 441. 442. 443. 444. 445. 446. 447. 448. 449. 450. 451. 452. 453. 454. 455. 456. 457. 458. 459. 460. 461. 462. 463. 464. 465. 466. 467. 468. 469. 470. 471. 472. 473. 474. 475. 476. 477. 478. 479. 480. 481. 482. 483. 484. 485. 486. 487. 488. 489. 490. 491. 492. 493. 494. 495. 496. 497. 498. 499. 500. 501. 502. 503. 504. 505. 506. 507. 508. 509. 510. 511. 512. 513. 514. 515. 516. 517. 518. 519. 520. 521. 522. 523. 524. 525. 526. 527. 528. 529. 530. 531. 532. 533. 534. 535. 536. 537. 538. 539. 540. 541. 542. 543. 544. 545. 546. 547. 548. 549. 550. 551. 552. 553. 554. 555. 556. 557. 558. 559. 560. 561. 562. 563. 564. 565. 566. 567. 568. 569. 570. 571. 572. 573. 574. 575. 576. 577. 578. 579. 580. 581. 582. 583. 584. 585. 586. 587. 588. 589. 590. 591. 592. 593. 594. 595. 596. 597. 598. 599. 600. 601. 602. 603. 604. 605. 606. 607. 608. 609. 610. 611. 612. 613. 614. 615. 616. 617. 618. 619. 620. 621. 622. 623. 624. 625. 626. 627. 628. 629. 630. 631. 632. 633. 634. 635. 636. 637. 638. 639. 640. 641. 642. 643. 644. 645. 646. 647. 648. 649. 650. 651. 652. 653. 654. 655. 656. 657. 658. 659. 660. 661. 662. 663. 664. 665. 666. 667. 668. 669. 670. 671. 672. 673. 674. 675. 676. 677. 678. 679. 680. 681. 682. 683. 684. 685. 686. 687. 688. 689. 690. 691. 692. 693. 694. 695. 696. 697. 698. 699. 700. 701. 702. 703. 704. 705. 706. 707. 708. 709. 710. 711. 712. 713. 714. 715. 716. 717. 718. 719. 720. 721. 722. 723. 724. 725. 726. 727. 728. 729. 730. 731. 732. 733. 734. 735. 736. 737. 738. 739. 740. 741. 742. 743. 744. 745. 746. 747. 748. 749. 750. 751. 752. 753. 754. 755. 756. 757. 758. 759. 760. 761. 762. 763. 764. 765. 766. 767. 768. 769. 770. 771. 772. 773. 774. 775. 776. 777. 778. 779. 780. 781. 782. 783. 784. 785. 786. 787. 788. 789. 790. 791. 792. 793. 794. 795. 796. 797. 798. 799. 800. 801. 802. 803. 804. 805. 806. 807. 808. 809. 810. 811. 812. 813. 814. 815. 816. 817. 818. 819. 820. 821. 822. 823. 824. 825. 826. 827. 828. 829. 830. 831. 832. 833. 834. 835. 836. 837. 838. 839. 840. 84

State Colleges (Continued)

| State College | President | |
|------------------------------|----------------------|----------|
| Boston | William F. Looney | 566-4545 |
| Bridgewater | Adrian Rondileau | 697-4422 |
| Fitchburg | James J. Hammond | 343-6417 |
| Framingham | D. Justin McCarthy | 872-3501 |
| Lowell | Daniel H. O'Leary | 458-6851 |
| North Adams | Eugene L. Freel | 663-6582 |
| Salem | Frederick A. Meier | 745-0556 |
| Westfield | Leonard J. Savignano | 562-9906 |
| Worcester | Eugene A. Sullivan | 756-5121 |
| Massachusetts College of Art | Robert L. Bertolli | 734-2310 |

 MASSACHUSETTS MARITIME ACADEMY

Buzzards Bay
759-3118

Board of Commissioners

Term Expires

| | |
|------|---|
| 1964 | Arthur C. Sullivan, Acting Chairman, Boston |
| 1965 | Leonard A. Kelley, Scituate |
| 1966 | S. P. Jason, Fairhaven |
| 1967 | Howard W. Nickerson, New Bedford |
| 1968 | Elio W. Barufaldi, Plymouth |

Rear Admiral John W. Thompson, U.S.M.S., Superintendent

Shore Base, Buzzards Bay

 BRADFORD DUFEE COLLEGE OF TECHNOLOGY, FALL RIVER

678-8301

Trustees

Ex Officio, His Honor, Roland G. Desmarais, Mayor
 Ex Officio, Owen B. Kiernan, Commissioner of Education
 Ex Officio, Robert J. Nagle, Superintendent of Schools

TABLE I. SUMMARY OF DATA

| Run | Time (min) | Temp (°C) | Pressure (mm Hg) | Flow (ml/min) | Concn (g/100 ml) | Yield (g) |
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| 100-100 | 10 | 100 | 100 | 10 | 10 | 10 |
| 100-100 | 10 | 100 | 100 | 10 | 10 | 10 |
| 100-100 | 10 | 100 | 100 | 10 | 10 | 10 |
| 100-100 | 10 | 100 | 100 | 10 | 10 | 10 |
| 100-100 | 10 | 100 | 100 | 10 | 10 | 10 |
| 100-100 | 10 | 100 | 100 | 10 | 10 | 10 |
| 100-100 | 10 | 100 | 100 | 10 | 10 | 10 |
| 100-100 | 10 | 100 | 100 | 10 | 10 | 10 |
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TABLE II. SUMMARY OF DATA

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Bradford Durfee (Continued)

Term Expires

| | |
|------|--|
| 1963 | Francis T. Meagher, Chairman, Fall River |
| 1964 | Wilfred C. Driscoll, Vice-Chairman, Fall River |
| 1963 | Octive O. Desmarais, Sr., Fall River |
| 1963 | Tobias M. Furtado, Fall River |
| 1963 | William Moran, Fall River |
| 1964 | Edward S. Bliss, Fall River |
| 1964 | Vacancy |
| 1964 | Vacancy |
| 1964 | Emanuel Gittelman, Fall River |
| 1965 | Manuel H. Camara, Jr., Fall River |
| 1965 | Ruth B. Merritt, Fall River |
| 1965 | Stephen Nawrocki, Fall River |
| 1965 | Joseph F. Noverca, Fall River |
| 1965 | John A. Shea, Taunton |
| 1966 | Joseph E. Hanify, Jr., Fall River |

William J. Holland, President

NEW BEDFORD INSTITUTE OF TECHNOLOGY

996-8291

Trustees

Ex Officio, His Honor, Edward F. Harrington, Mayor
 Ex Officio, Owen B. Kiernan, Commissioner of Education
 Ex Officio, James R. Hayden, Superintendent of Schools

Term Expires

| | |
|------|---|
| 1964 | Walter Smietana, Chairman, New Bedford |
| 1964 | Milton Gollis, Vice-Chairman, New Bedford |
| 1965 | James S. Francis, Secretary, New Bedford |
| 1966 | Joseph M. Souza, New Bedford |
| 1963 | Francis P. Delaney, Fairhaven |
| 1964 | Joseph Dawson, Jr., South Dartmouth |
| 1964 | Nils V. Nelson, Winthrop |
| 1964 | John E. Vertente, Jr., New Bedford |
| 1965 | Alfred J. Gomes, New Bedford |
| 1965 | Serafin E. Mello, New Bedford |
| 1965 | Waldo E. Hayden, Fairhaven |
| 1965 | Beatrice P. Thomas, Fairhaven |
| 1966 | Lydia B. Nunes, New Bedford |
| 1966 | George E. Carignan, New Bedford |
| 1966 | Carmelia DuPonte, New Bedford |

John E. Foster, President

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THE EARTH

LOWELL TECHNOLOGICAL INSTITUTE OF MASSACHUSETTS

454-7811

Trustees

Ex Officio, His Honor, Joseph M. Downes, Mayor
 Ex Officio, Owen B. Kiernan, Commissioner of Education

Term Expires

| | |
|------|--|
| 1966 | Samuel Pinanski, Chairman, Brookline |
| 1964 | John J. Delmore, Vice-Chairman, Lowell |
| 1963 | Frank W. Gainey, Lawrence |
| 1964 | Joseph A. DeMambro, Chestnut Hill |
| 1964 | Clifford L. Erving, Milton |
| 1964 | Barnett D. Gordon, Chestnut Hill |
| 1964 | Albert P. Manzi, Methuen |
| 1965 | Thomas T. Clark, Andover |
| 1965 | Vacancy |
| 1965 | Harold W. Leitch, Andover |
| 1965 | Francis P. Madden, Cambridge |
| 1965 | Timothy F. Meehan, Lowell |
| 1966 | Alvan R. Benjamin, Boston |
| 1966 | James T. Curtis, Lowell |
| 1966 | Sigmund A. Wesolowski, Shirley |

Martin J. Lydon, President

UNIVERSITY OF MASSACHUSETTS, AMHERST

253-3411

Trustees

Ex Officio, His Excellency, Endicott Peabody, Governor
 Ex Officio, Owen B. Kiernan, Commissioner of Education
 Ex Officio, Charles H. McNamara, Commissioner of Agriculture
 Ex Officio, Alfred L. Frechette, M.D., Commissioner of Public Health
 Ex Officio, Harry C. Solomon, M.D., Commissioner of Mental Health
 Ex Officio, John W. Lederle, President of the University

Term Expires

| | |
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| 1964 | Alden C. Brett, Belmont |
| 1964 | Ernest Hoftyzer, Marion |
| 1965 | J. John Fox, Boston |
| 1965 | Victoria Schuck, South Hadley |
| 1966 | Dennis M. Crowley, Boston |
| 1966 | Vacancy |
| 1967 | Frank I. Boyden, Deerfield |
| 1967 | George L. Pumphet, Dorchester |

STATE OF NEW YORK

IN SENATE

JANUARY 1887

REPORT OF THE COMMISSIONERS OF THE LAND OFFICE, IN RESPONSE TO A RESOLUTION PASSED BY THE SENATE, APRIL 18, 1886.

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| 1886 | 1885 | 1884 | 1883 | 1882 | 1881 | 1880 | 1879 | 1878 | 1877 | 1876 | 1875 | 1874 | 1873 | 1872 | 1871 | 1870 | 1869 | 1868 | 1867 | 1866 | 1865 | 1864 | 1863 | 1862 | 1861 | 1860 | 1859 | 1858 | 1857 | 1856 | 1855 | 1854 | 1853 | 1852 | 1851 | 1850 | 1849 | 1848 | 1847 | 1846 | 1845 | 1844 | 1843 | 1842 | 1841 | 1840 | 1839 | 1838 | 1837 | 1836 | 1835 | 1834 | 1833 | 1832 | 1831 | 1830 | 1829 | 1828 | 1827 | 1826 | 1825 | 1824 | 1823 | 1822 | 1821 | 1820 | 1819 | 1818 | 1817 | 1816 | 1815 | 1814 | 1813 | 1812 | 1811 | 1810 | 1809 | 1808 | 1807 | 1806 | 1805 | 1804 | 1803 | 1802 | 1801 | 1800 | 1799 | 1798 | 1797 | 1796 | 1795 | 1794 | 1793 | 1792 | 1791 | 1790 | 1789 | 1788 | 1787 | 1786 | 1785 | 1784 | 1783 | 1782 | 1781 | 1780 | 1779 | 1778 | 1777 | 1776 | 1775 | 1774 | 1773 | 1772 | 1771 | 1770 | 1769 | 1768 | 1767 | 1766 | 1765 | 1764 | 1763 | 1762 | 1761 | 1760 | 1759 | 1758 | 1757 | 1756 | 1755 | 1754 | 1753 | 1752 | 1751 | 1750 | 1749 | 1748 | 1747 | 1746 | 1745 | 1744 | 1743 | 1742 | 1741 | 1740 | 1739 | 1738 | 1737 | 1736 | 1735 | 1734 | 1733 | 1732 | 1731 | 1730 | 1729 | 1728 | 1727 | 1726 | 1725 | 1724 | 1723 | 1722 | 1721 | 1720 | 1719 | 1718 | 1717 | 1716 | 1715 | 1714 | 1713 | 1712 | 1711 | 1710 | 1709 | 1708 | 1707 | 1706 | 1705 | 1704 | 1703 | 1702 | 1701 | 1700 | 1699 | 1698 | 1697 | 1696 | 1695 | 1694 | 1693 | 1692 | 1691 | 1690 | 1689 | 1688 | 1687 | 1686 | 1685 | 1684 | 1683 | 1682 | 1681 | 1680 | 1679 | 1678 | 1677 | 1676 | 1675 | 1674 | 1673 | 1672 | 1671 | 1670 | 1669 | 1668 | 1667 | 1666 | 1665 | 1664 | 1663 | 1662 | 1661 | 1660 | 1659 | 1658 | 1657 | 1656 | 1655 | 1654 | 1653 | 1652 | 1651 | 1650 | 1649 | 1648 | 1647 | 1646 | 1645 | 1644 | 1643 | 1642 | 1641 | 1640 | 1639 | 1638 | 1637 | 1636 | 1635 | 1634 | 1633 | 1632 | 1631 | 1630 | 1629 | 1628 | 1627 | 1626 | 1625 | 1624 | 1623 | 1622 | 1621 | 1620 | 1619 | 1618 | 1617 | 1616 | 1615 | 1614 | 1613 | 1612 | 1611 | 1610 | 1609 | 1608 | 1607 | 1606 | 1605 | 1604 | 1603 | 1602 | 1601 | 1600 | 1599 | 1598 | 1597 | 1596 | 1595 | 1594 | 1593 | 1592 | 1591 | 1590 | 1589 | 1588 | 1587 | 1586 | 1585 | 1584 | 1583 | 1582 | 1581 | 1580 | 1579 | 1578 | 1577 | 1576 | 1575 | 1574 | 1573 | 1572 | 1571 | 1570 | 1569 | 1568 | 1567 | 1566 | 1565 | 1564 | 1563 | 1562 | 1561 | 1560 | 1559 | 1558 | 1557 | 1556 | 1555 | 1554 | 1553 | 1552 | 1551 | 1550 | 1549 | 1548 | 1547 | 1546 | 1545 | 1544 | 1543 | 1542 | 1541 | 1540 | 1539 | 1538 | 1537 | 1536 | 1535 | 1534 | 1533 | 1532 | 1531 | 1530 | 1529 | 1528 | 1527 | 1526 | 1525 | 1524 | 1523 | 1522 | 1521 | 1520 | 1519 | 1518 | 1517 | 1516 | 1515 | 1514 | 1513 | 1512 | 1511 | 1510 | 1509 | 1508 | 1507 | 1506 | 1505 | 1504 | 1503 | 1502 | 1501 | 1500 | 1499 | 1498 | 1497 | 1496 | 1495 | 1494 | 1493 | 1492 | 1491 | 1490 | 1489 | 1488 | 1487 | 1486 | 1485 | 1484 | 1483 | 1482 | 1481 | 1480 | 1479 | 1478 | 1477 | 1476 | 1475 | 1474 | 1473 | 1472 | 1471 | 1470 | 1469 | 1468 | 1467 | 1466 | 1465 | 1464 | 1463 | 1462 | 1461 | 1460 | 1459 | 1458 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| 1314 | 1313 | 1312 | 1311 | 1310 | 1309 | 1308 | 1307 | 1306 | 1305 | 1304 | 1303 | 1302 | 1301 | 1300 | 1299 | 1298 | 1297 | 1296 | 1295 | 1294 | 1293 | 1292 | 1291 | 1290 | 1289 | 1288 | 1287 | 1286 | 1285 | 1284 | 1283 | 1282 | 1281 | 1280 | 1279 | 1278 | 1277 | 1276 | 1275 | 1274 | 1273 | 1272 | 1271 | 1270 | 1269 | 1268 | 1267 | 1266 | 1265 | 1264 | 1263 | 1262 | 1261 | 1260 | 1259 | 1258 | 1257 | 1256 | 1255 | 1254 | 1253 | 1252 | 1251 | 1250 | 1249 | 1248 | 1247 | 1246 | 1245 | 1244 | 1243 | 1242 | 1241 | 1240 | 1239 | 1238 | 1237 | 1236 | 1235 | 1234 | 1233 | 1232 | 1231 | 1230 | 1229 | 1228 | 1227 | 1226 | 1225 | 1224 | 1223 | 1222 | 1221 | 1220 | 1219 | 1218 | 1217 | 1216 | 1215 | 1214 | 1213 | 1212 | 1211 | 1210 | 1209 | 1208 | 1207 | 1206 | 1205 | 1204 | 1203 | 1202 | 1201 | 1200 | 1199 | 1198 | 1197 | 1196 | 1195 | 1194 | 1193 | 1192 | 1191 | 1190 | 1189 | 1188 | 1187 | 1186 | 1185 | 1184 | 1183 | 1182 | 1181 | 1180 | 1179 | 1178 | 1177 | 1176 | 1175 | 1174 | 1173 | 1172 | 1171 | 1170 | 1169 | 1168 | 1167 | 1166 | 1165 | 1164 | 1163 | 1162 | 1161 | 1160 | 1159 | 1158 | 1157 | 1156 | 1155 | 1154 | 1153 | 1152 | 1151 | 1150 | 1149 | 1148 | 1147 | 1146 | 1145 | 1144 | 1143 | 1142 | 1141 | 1140 | 1139 | 1138 | 1137 | 1136 | 1135 | 1134 | 1133 | 1132 | 1131 | 1130 | 1129 | 1128 | 1127 | 1126 | 1125 | 1124 | 1123 | 1122 | 1121 | 1120 | 1119 | 1118 | 1117 | 1116 | 1115 | 1114 | 1113 | 1112 | 1111 | 1110 | 1109 | 1108 | 1107 | 1106 | 1105 | 1104 | 1103 | 1102 | 1101 | 1100 | 1099 | 1098 | 1097 | 1096 | 1095 | 1094 | 1093 | 1092 | 1091 | 1090 | 1089 | 1088 | 1087 | 1086 | 1085 | 1084 | 1083 | 1082 | 1081 | 1080 | 1079 | 1078 | 1077 | 1076 | 1075 | 1074 | 1073 | 1072 | 1071 | 1070 | 1069 | 1068 | 1067 | 1066 | 1065 | 1064 | 1063 | 1062 | 1061 | 1060 | 1059 | 1058 | 1057 | 1056 | 1055 | 1054 | 1053 | 1052 | 1051 | 1050 | 1049 | 1048 | 1047 | 1046 | 1045 | 1044 | 1043 | 1042 | 1041 | 1040 | 1039 | 1038 | 1037 | 1036 | 1035 | 1034 | 1033 | 1032 | 1031 | 1030 | 1029 | 1028 | 1027 | 1026 | 1025 | 1024 | 1023 | 1022 | 1021 | 1020 | 1019 | 1018 | 1017 | 1016 | 1015 | 1014 | 1013 | 1012 | 1011 | 1010 | 1009 | 1008 | 1007 | 1006 | 1005 | 1004 | 1003 | 1002 | 1001 | 1000 | 999 | 998 | 997 | 996 | 995 | 994 | 993 | 992 | 991 | 990 | 989 | 988 | 987 | 986 | 985 | 984 | 983 | 982 | 981 | 980 | 979 | 978 | 977 | 976 | 975 | 974 | 973 | 972 | 971 | 970 | 969 | 968 | 967 | 966 | 965 | 964 | 963 | 962 | 961 | 960 | 959 | 958 | 957 | 956 | 955 | 954 | 953 | 952 | 951 | 950 | 949 | 948 | 947 | 946 | 945 | 944 | 943 | 942 | 941 | 940 | 939 | 938 | 937 | 936 | 935 | 934 | 933 | 932 | 931 | 930 | 929 | 928 | 927 | 926 | 925 | 924 | 923 | 922 | 921 | 920 | 919 | 918 | 917 | 916 | 915 | 914 | 913 | 912 | 911 | 910 | 909 | 908 | 907 | 906 | 905 | 904 | 903 | 902 | 901 | 900 | 899 | 898 | 897 | 896 | 895 | 894 | 893 | 892 | 891 | 890 | 889 | 888 | 887 | 886 | 885 | 884 | 883 | 882 | 881 | 880 | 879 | 878 | 877 | 876 | 875 | 874 | 873 | 872 | 871 | 870 | 869 | 868 | 867 | 866 | 865 | 864 | 863 | 862 | 861 | 860 | 859 | 858 | 857 | 856 | 855 | 854 | 853 | 852 | 851 | 850 | 849 | 848 | 847 | 846 | 845 | 844 | 843 | 842 | 841 | 840 | 839 | 838 | 837 | 836 | 835 | 834 | 833 | 832 | 831 | 830 | 829 | 828 | 827 | 826 | 825 | 824 | 823 | 822 | 821 | 820 | 819 | 818 | 817 | 816 | 815 | 814 | 813 | 812 | 811 | 810 | 809 | 808 | 807 | 806 | 805 | 804 | 803 | 802 | 801 | 800 | 799 | 798 | 797 | 796 | 795 | 794 | 793 | 792 | 791 | 790 | 789 | 788 | 787 | 786 | 785 | 784 | 783 | 782 | 781 | 780 | 779 | 778 | 777 | 776 | 775 | 774 | 773 | 772 | 771 | 770 | 769 | 768 | 767 | 766 | 765 | 764 | 763 | 762 | 761 | 760 | 759 | 758 | 757 | 756 | 755 | 754 | 753 | 752 | 751 | 750 | 749 | 748 | 747 | 746 | 745 | 744 | 743 | 742 | 741 | 740 | 739 | 738 | 737 | 736 | 735 | 734 | 733 | 732 | 731 | 730 | 729 | 728 | 727 | 726 | 725 | 724 | 723 | 722 | 721 | 720 | 719 | 718 | 717 | 716 | 715 | 714 | 713 | 712 | 711 | 710 | 709 | 708 | 707 | 706 | 705 | 704 | 703 | 702 | 701 | 700 | 699 | 698 | 697 | 696 | 695 | 694 | 693 | 692 | 691 | 690 | 689 | 688 | 687 | 686 | 685 | 684 | 683 | 682 | 681 | 680 | 679 | 678 | 677 | 676 | 675 | 674 | 673 | 672 | 671 | 670 | 669 | 668 | 667 | 666 | 665 | 664 | 663 | 662 | 661 | 660 | 659 | 658 | 657 | 656 | 655 | 654 | 653 | 652 | 651 | 650 | 649 | 648 | 647 | 646 | 645 | 644 | 643 | 642 | 641 | 640 | 639 | 638 | 637 | 636 | 635 | 634 | 633 | 632 | 631 | 630 | 629 | 628 | 627 | 626 | 625 | 624 | 623 | 622 | 621 | 620 | 619 | 618 | 617 | 616 | 615 | 614 | 613 | 612 | 611 | 610 | 609 | 608 | 607 | 606 | 605 | 604 | 603 | 602 | 601 | 600 | 599 | 598 | 597 | 596 | 595 | 594 | 593 | 592 | 591 | 590 | 589 | 588 | 587 | 586 | 585 | 584 | 583 | 582 | 581 | 580 | 579 | 578 | 577 | 576 | 575 | 574 | 573 | 572 | 571 | 570 | 569 | 568 | 567 | 566 | 565 | 564 | 563 | 562 | 561 | 560 | 559 | 558 | 557 | 556 | 555 | 554 | 553 | 552 | 551 | 550 | 549 | 548 | 547 | 546 | 545 | 544 | 543 | 542 | 541 | 540 | 539 | 538 | 537 | 536 | 535 | 534 | 533 | 532 | 531 | 530 | 529 | 528 | 527 | 526 | 525 | 524 | 523 | 522 | 521 | 520 | 519 | 518 | 517 | 516 | 515 | 514 | 513 | 512 | 511 | 510 | 509 | 508 | 507 | 506 | 505 | 504 | 503 | 502 | 501 | 500 | 499 | 498 | 497 | 496 | 495 | 494 | 493 | 492 | 491 | 490 | 489 | 488 | 487 | 486 | 485</ |
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1. The Earth is a sphere, and its surface is divided into two parts, the land and the water.

2. The land is divided into continents and islands, and the water is divided into oceans and seas.

3. The continents are divided into countries, and the islands are divided into islands.

4. The countries are divided into provinces, and the islands are divided into islands.

5. The provinces are divided into counties, and the islands are divided into islands.

6. The counties are divided into parishes, and the islands are divided into islands.

7. The parishes are divided into townships, and the islands are divided into islands.

8. The townships are divided into villages, and the islands are divided into islands.

9. The villages are divided into hamlets, and the islands are divided into islands.

10. The hamlets are divided into hamlets, and the islands are divided into islands.

11. The hamlets are divided into hamlets, and the islands are divided into islands.

12. The hamlets are divided into hamlets, and the islands are divided into islands.

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FROM 1624 TO 1898

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COMMONWEALTH OF MASSACHUSETTS
DEPARTMENT OF EDUCATION



ANNUAL REPORT
of
THE COMMISSIONER OF EDUCATION
JUNE - 1964

A N N U A L R E P O R T
of the
C O M M I S S I O N E R O F E D U C A T I O N
June 1964

In recent years education increasingly has been in the focus of public attention, and events connected with our schools and colleges earn newspaper headlines or page one placement much more frequently than in the past. Education is news. The twelve month period just completed proved to be no exception to this trend. The total spectrum of education was involved although certain major issues quite naturally received a greater coverage. Among these were court decisions on prayer and Bible reading; so-called de facto segregation and the question of possible racial imbalance in the public schools; the recommendation to meet the Commonwealth's higher education needs in the next decade by means of a 1/4 billion dollar capital outlay program; and the passage of landmark federal aid laws to extend the National Defense Education Act, strengthen vocational programs (Public Law 88-210), and assist collegiate institutions in the construction of critically needed facilities (Public Law 88-204). Because of reasonable limitations on space, a comprehensive treatment of these subjects is not possible in this report. However, brief comment will be included on each major issue, and attention is called to the fact that the Department's complete files are accessible to those who seek additional information.

NEW FEDERAL PROGRAMS

The Federal Government has been, and continues to be, a most active and important partner in the educational enterprise. From the days of the Northwest Ordinance and the Morrill Act to the twentieth century Smith-Hughes and National Defense Education Acts, the Congress has displayed a commendable desire to be of assistance. The 88th session proved to be no exception and

the members won a Presidential accolade for being "the Education Congress."

Recent Congressional action involved the total spectrum of education including programs for pre-school children, the elementary and secondary school levels, collegiate institutions, and older citizens. More specifically, assistance was provided for the retarded, for those in federally affected areas, and those eligible for grants under the NDEA, vocational or higher education. In the last named category substantial funds were voted for our junior colleges, colleges and universities. The stated goal for this program (P.L. 88-204, the Higher Education Facilities Act of 1963) is to encourage the rapid expansion of collegiate institutions to care for the increasing thousands of qualified students who face the prospect of being denied a college education. An initial appropriation of \$230,000,000 for each of the first three fiscal years was authorized of which Massachusetts will receive an annual share of approximately \$7,000,000. To encourage the growth of our public community colleges and technical institutes, 22% (\$1,296,905 in the Commonwealth's case) of each year's appropriation is earmarked for these institutions. The funds, on a matching formula basis, are to be expended for the construction of facilities designed for instruction or research in the natural or physical sciences, mathematics, modern foreign languages, engineering, or for use as a library.

In the field of vocational education P. L. 88-210 (the Vocational Education Act of 1963) represents a significant milestone. Although Congress had been supporting our vocational efforts since the enactment of the Smith-Hughes Law in 1917, the amounts appropriated proved to be inadequate. The modern demands upon business, labor and industry require new skills or the upgrading of old skills. To provide today's technological society with a sufficient number of qualified technicians, it was natural to turn to our vocational schools. Funds have been earmarked for these schools to accomplish this purpose. For the country as a whole, appropriations will range in the present fiscal year from \$60,000,000 to \$225,000,000 in 1967. Over the same period the Commonwealth's reimbursements will increase from \$1,270,573 to \$4,764,740.

In each of these programs the Congress enunciated the primary role



of the State particularly as it related to the factor of control. This is as it should be. Regrettably, Federal assistance has not been accompanied by a clear-cut, over-all policy statement. Without wishing to detract from this year's gains, a comment is warranted on piece-meal programs which have been rushed through Congress during periods of real or imagined crisis. A dozen Federal cooks have attempted to prepare each fiscal meal and distribute emergency government largess through not less than 26 separate and independent agencies. Rather than channeling these efforts through Washington's logical agency, i.e., the U.S. Office of Education, a network of related and unrelated departments has undertaken the job. This has resulted in the establishment of a smorgasbord or cafeteria type aid program. Too many low calorie specials have been offered at a time when our States cry desperately for a full, well-balanced fiscal diet encompassing broad support programs, rather than temporary categorical aid.

It is doubtful that defensible, broad based support will be forthcoming until such time as a national policy for our schools and colleges has been adopted. Such policy must include the proper role of the Federal Government in the field of education. It appears equally remote that such action will be initiated until an appropriate National Advisory Board or Council has been established. Although by no means a perfect vehicle, the 15 member Board proposed this year in HR 6595 is a step in the right direction. Under no circumstance would the State's responsibility for education be placed in jeopardy; yet, such a Board could point the way to a sense of national purpose as well as initiating a support program which would take advantage of the broad fiscal base of the Federal Government. I commend such an arrangement in the Federal-State partnership to your full and serious consideration.

LEGISLATION--STATE LEVEL

Historically, Federal programs have been enacted only after many months and sometimes years of study. Referral to Committee is a standard procedure in the Halls of Congress, and State Legislatures tend to follow the same pattern. There are, of course, exceptions to the rule although these usually are found in the crisis category where immediate legislation is



imperative; or, when a substantial number of citizens make their voices heard in demanding speedy action. It is also noteworthy that some issues defy early solution and find their way into the legislative hopper year after year. Significant breakthroughs are not commonplace although in recent years many more legislative bodies have earned the "pro-education" title.

During the sessions coinciding with the period of this Annual Report, 36 bills were enacted which affect education directly. Several others were passed which only affect our school and collegiate systems indirectly. Comment appears warranted on some of the more important Acts:

Coordination of Public Higher Education

For several years the Commonwealth's Board of Education has pointed out the need for coordination in the field of higher education. As a matter of record, this was a major factor in initiating the request for a state-wide master plan study. The need to chart the orderly growth of our collegiate system increases with each passing year. If positive action is not authorized, the competition for funds, the spectre of gross inefficiency, and the indefensible duplication of facilities and programs could result in a waste of millions of dollars. We look forward to the recommendations of the Massachusetts Education Commission next December on this vitally important subject.

Certain steps were taken by the General Court bearing directly on higher education problems. A new Board of Trustees was established for the State Colleges (Chapter 642, Acts of 1963); the merger of the New Bedford Institute of Technology and the Bradford Durfee College of Technology into the Southeastern Massachusetts Technological Institute was authorized for July 1, 1964 (Chapter 495, Acts of 1964); the Maritime Academy was absorbed into the State College system (Chapter 561, Acts of 1964); provision was made for the founding of a branch of the University of Massachusetts in or in the vicinity of the City of Boston (Chapter 562, Acts of 1964); and a State Commission was established to administer the Higher Education Facilities Act (Chapter 388, Acts of 1964).



Degree Control

Earlier reports have contained references to the problem of controlling the issuance of undergraduate and graduate degrees. Although Massachusetts' record has been an excellent one, the possibility of degree mills preying on unsuspecting students and their parents is ever present. This is particularly true today in view of the many thousand who cannot gain admission into a prestige institution. Several of our sister states have faced very serious situations arising from the promiscuous development of these second and third rate institutions. Chapter 66 (Acts of 1964) was designed to further regulate the awarding of degrees, and provides that "no educational institution located within the Commonwealth shall award degrees unless authorized to do so by the Commonwealth."

Under the new law, an educational institution located within the Commonwealth may be authorized to award degrees either by an act of the Legislature or by approval of the Board of Collegiate Authority under Chapter 69, sections 30 and 31 of the General Laws. Since the Board of Collegiate Authority was originated in 1943, the authority to grant any degree in the Commonwealth has come solely from this Board. Under Chapter 66 an educational institution, located within the Commonwealth, which has not received its authority to grant degrees from either of the above two sources cannot award degrees.

New Supervisory Services

Chapter 539 and 652 (Acts of 1963) place additional supervisory responsibilities in the Department. The former deals with school transportation services and the latter with the licensing of correspondence schools. Although not major enactments, both are good bills and the Department is pleased to serve in these areas. They have been included in this summary because of another far more serious problem, i.e., the lack of staff to implement the legislation. Increasingly in recent years the General Court has mandated a new service and then failed to appropriate funds with which to employ qualified supervisors. Because of the mandatory features, assignments have been made on marginal time to already over-burdened supervisors. This

establishes a double handicap for both the existing and new service. Additionally, when a staff saturation point has been reached, it becomes physically impossible to stretch man hours to cover new programs.

The Board has filed budget petitions of this type previously, but today's needs mandate the re-filing of a most urgent plea. The service, regulatory and leadership roles of the Department cannot be performed with an inadequate staff. Members of the Massachusetts Education Commission share our concern on this point, and it is our hope that a full staffing pattern may be authorized following the Commission's Report in December.

Full School Year Required

Elementary and secondary schools in the Commonwealth are required to operate a minimum of 180 days each year. Reflecting the serious feelings of legislators and the general citizenry on this matter, Chapter 530 (Acts of 1963) further strengthens this law by incorporating a penalty clause. Effective last fall, a deduction of one one hundred and eightieth of total state aid is made for each day schools fall below the legal minimum. This is not a punitive procedure but a positive step to insure a full measure of quality schooling for every boy and girl. As in the past, Department exemptions may be authorized if school closings are due to epidemics, extraordinary weather conditions, or other emergencies.

It is heartening to note the number of school systems planning sessions covering 185-190 calendar days. Also, voluntary summer sessions of from four to six weeks are becoming more popular each year. The Department commends most enthusiastically all school officials who have incorporated the longer school year and the summer sessions into their local programs.

Minimum Salaries

Two enactments established new salary floors during the last session of the General Court, viz., Chapter 740 (Acts of 1963) and Chapter 267 (Acts of 1964). The first named law dealt with more professional salary minima for superintendents in unions and regional school districts. The schedule calls for not less than \$9,500 in the first year, \$10,000 in the second, \$10,500 in

the third, and \$11,000 on attaining tenure in the fourth year. The amounts are not significant, and it is encouraging to note that a majority of our administrators are well above these very modest figures. What is significant, however, is the principle of state aid applied to this statute. The earlier law allowed reimbursement in the amount of 2/3 of \$5,000 on these salaries; and the 1963 legislation increased this amount to 2/3 of \$9,500. In effect the State mandated new minima and simultaneously increased reimbursement to meet the new levels. In this fashion no new financial burden was imposed on the local community.

The second law established a new and deserved minimum for teachers, i.e., \$5,000 for the school year beginning September 1, 1965, but did not incorporate the aforementioned state aid principle. This again points up the need for a *bona fide* assistance program. Confiscatory tax rates in certain communities and the hard fact of fiscal inability to support schools in others, indicate that the moment of truth has arrived. The problem must be faced squarely with the State's resources brought to bear under a defensible State aid formula. It will be recalled that the Board of Education has pegged a minimum of support from the Commonwealth at 40¢ on the education dollar. A lesser amount could be "too little, too late."

A summary of recently enacted statutes follows:

ACTS OF 1963

Chapter

- 530 - An Act providing penalties for failure to keep open certain schools for one hundred and eighty days during each school year. *Approved July 9, 1963.*
- 539 - An Act extending the responsibility of the Commissioner of Education in the approval of school transportation costs for state reimbursement and the assistance of local school committees in the adoption of efficient transportation practices. *Approved July 15, 1963.*
- 562 - An Act authorizing certain industrial, technical, agricultural and vocational schools to establish courses beyond secondary level and authorizing said schools to grant certain degrees to persons completing such courses of instruction. *Approved July 23, 1963.*

ACTS OF 1963 (continued)

Chapter

- 574 - An Act authorizing certain cities and towns and regional school districts to join with other cities and towns and regional school districts to provide special classes for mentally retarded children. *Approved July 29, 1963.*
- 611 - An Act authorizing the Department of Education to contract with the Boston Society of Natural History for free admission to the Museum of Science for certain school groups. *Approved August 5, 1963.*
- 642 - An Act further regulating the Administration of the State Colleges of the Commonwealth. *Approved August 12, 1963.*
- (703 - Companion measure--An Act establishing the Massachusetts State College Building Authority. *Approved September 16, 1963.*)
- 652 - An Act providing for the licensing of correspondence schools and certain representatives of said schools. *Approved August 19, 1963.*
- 702 - An Act establishing additional special education scholarships. *Approved September 16, 1963.*
- 740 - An Act relative to the salaries of superintendents of schools in unions and regional school districts. *Approved October 7, 1963.*

ACTS OF 1964

Chapter

- 51 - An Act requiring pupils and teachers to wear eye protective devices while attending certain classes in public schools. *Approved February 7, 1964.*
- (510 - Related measure--An Act temporarily exempting certain school committees from the provisions of law requiring pupils and teachers to wear protective eyeglasses while attending certain classes. *Approved June 12, 1964.*)
- 66 - An Act further regulating the awarding of degrees by educational institutions in the Commonwealth. *Approved February 14, 1964.*
- 267 - An Act increasing the minimum salary of public school teachers. *Approved April 9, 1964.*



ACTS OF 1964 (continued)

Chapter

- 388 - An Act establishing the higher education facilities commission for the purpose of assisting the Commonwealth in its participation in the grant programs under the higher education facilities act of nineteen hundred and sixty-three. *Approved May 13, 1964.*
- 495 - An Act providing for the consolidation during the current year of the New Bedford Institute of Technology and the Bradford Durfee College of Technology into the Southeastern Massachusetts Technological Institute. *Approved June 10, 1964.*
- 497 - An Act authorizing the Department of Education to provide for the care and education of children who are both mentally retarded and blind. *Approved June 10, 1964.*
- 513 - An Act requiring school committees to indemnify public school teachers for expenses or damages sustained by reason of certain actions and claims. *Approved June 12, 1964.*
- 535 - An Act providing for the establishment in the Division of Special Education of a library center for visually-handicapped children. *Approved June 15, 1964.*
- 561 - An Act abolishing the Board of Commissioners of the Massachusetts Maritime Academy and placing said Academy within the Division of State Colleges. *Approved June 18, 1964.*
- 562 - An Act providing for the establishment of University of Massachusetts facilities in or in the vicinity of the City of Boston. *Approved June 18, 1964.*
- 563 - An Act abolishing the Metropolitan Transit Authority, establishing the Massachusetts Bay Transportation Authority, and providing for the acquisition and maintenance of mass transportation facilities and services which shall be coordinated with highway systems and urban development plans throughout the Commonwealth. (Includes provisions for school bus transportation.) *Approved June 18, 1964.*

The Annual Report for 1963 dealt comprehensively with the question of regional school districts in the field of vocational education. For information on districts established or validated during the past year see Chapters 670 and 682 of the Acts of 1963 as well as Chapters 36, 504, and 584 of the Acts of 1964.



STATE AND NATIONAL ISSUES

Bible Reading and Prayer Recitation in the Public Schools

Two years ago in the case of *Engle vs. Vitale*, 370 U.S. 421, the Supreme Court of the United States held unconstitutional the reading of the Regent's prayer in the State of New York. Because other questions were left unanswered or could not be incorporated in this ruling, several petitions were filed seeking clarification. Among these were cases previously decided in the lower courts of Maryland and Pennsylvania. The latter state required the reading of the Bible during opening exercises, under the provisions of a statute very similar to Chapter 71, section 31 of the General Laws of Massachusetts.

The Supreme Court considered the validity of reading from the Bible and reciting the Lord's Prayer and in a single opinion held the statute, rule and practices unconstitutional (see *Murray vs. Curlett and School District of Abington Township vs. Schempp* 10 L. Ed. 2d 844). In view of the fact that such decisions set forth the supreme law of the land and are binding on all states, the Department immediately notified all school systems. All but one followed the directive and the matter was turned over to the Attorney General of the Commonwealth. Subsequently, his directive and that of a single justice of the Massachusetts Supreme Judicial Court were ignored. The matter was referred to the full bench of the Supreme Judicial Court and following a similar finding, the Town's compliance was received.

During the above mentioned period of time, the Department developed a series of questions relating to this most sensitive issue. On August 21, 1963, in one of the most comprehensive opinions handed down in recent years, the Attorney General of the Commonwealth answered the questions and established guidelines for the 1963-64 school year. Although it is not the purpose of this report to repeat the findings contained in this 22 page opinion, certain observations may be appropriate. These relate to teachings about the Holy Scriptures and different religions.

Many persons assumed erroneously that the prayer and Bible reading decisions automatically ruled out any and all reference to religion in the

public schools. On this point the Attorney General ruled with great clarity that the study of the Bible or religion is a proper part of a program of secular education. He referred to the following statement of the principle as contained in Mr. Justice Jackson's concurring opinion in *McCullum vs. Board of Education*, 333 U.S. 203 at 235-36.

Perhaps subjects such as mathematics, physics or chemistry are, or can be, completely secularized. But it would not seem practical to teach either practice or appreciation of the arts if we are to forbid exposure of youth to any religious influences. Music without sacred music, architecture minus the cathedral, or painting without the scriptural themes would be eccentric and incomplete, even from a secular point of view. Yet the inspirational appeal of religion in these guises is often stronger than in forthright sermon. Even such a "science" as biology raises the issue between evolution and creation as an explanation of our presence on this planet. Certainly a course in English literature that omitted the Bible and other powerful uses of our mother tongue for religious ends would be pretty barren.

This principle was reaffirmed in the Schempp and Murray cases and the public schools of the Commonwealth accordingly have continued appropriate offerings in their curricula.

The Question of Racial Imbalance and Education

Since its founding in 1837, the Board of Education has supported the goals of enlarging educational opportunity for every child and of encouraging excellence for all. Unless every child realizes his full academic, vocational, and citizenship potential, we fall short of these objectives. In recent years serious questions have been raised about the standards of living and the quality of education found in certain pockets of poverty. These slum areas produce economically and culturally disadvantaged children and youth. In many cases the areas are populated by a single racial or ethnic group. When such conditions exist one may legitimately question the effects of such imbalance on the educational welfare of those involved.

To assess the dimensions of the problem in Massachusetts, the Board

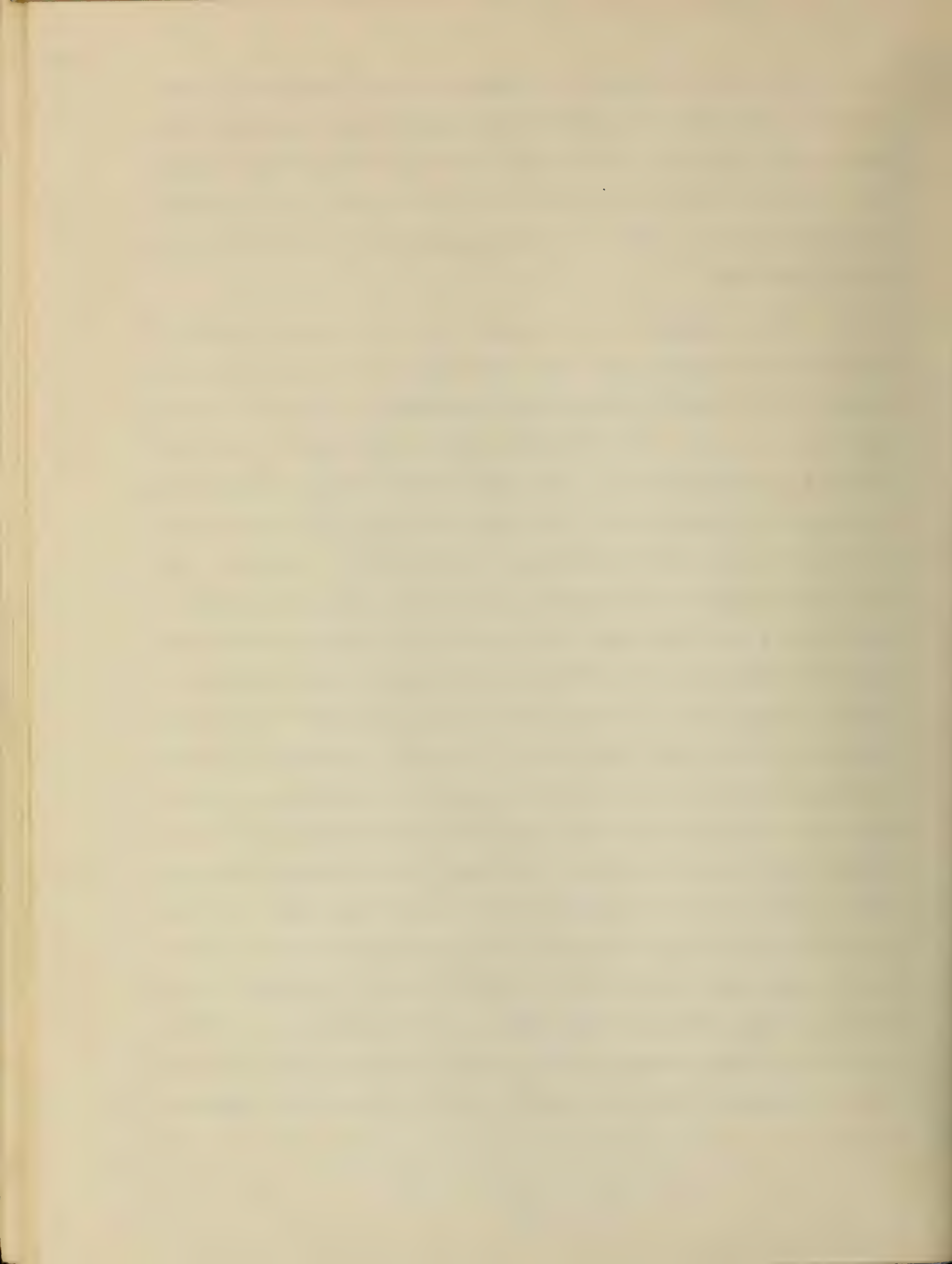
authorized a racial census. This step was taken after the legality of the census had been probed comprehensively with the Attorney General and his favorable opinion received. Again, only one community refused to participate and when the case reached the Superior Court the presiding justice found for the Board. As of this date, the city has appealed the decision to the Supreme Judicial Court.

In a simultaneous action the Board appointed a 21 member Advisory Committee on Racial Imbalance and Education, and charged it with the responsibility of examining the racial composition of the public schools and determining the educational consequences of possible imbalance. The Committee and its Task Forces, representing every segment of the community, is made up one of the most distinguished groups ever assembled in the State's history. Underwritten by a grant of approximately \$30,000 from the Permanent Charity Fund, the members applied themselves conscientiously to the difficult task at hand. At the close of the school year an interim report was submitted which included the following sub-sections: (1) results of the racial census of each public school; (2) a compilation of research findings concerning the impact of racial imbalance on the education of children; (3) a compilation of research findings on the results of integration; (4) a national survey of the membership of the American Educational Research Association to determine expert opinion on the consequences of racial imbalance in schools; (5) an analysis of relationships among racial imbalance, educational achievement, and "cultural deprivation" in Boston; (6) compilation of research findings with regard to the relationship between education and self-concept among Negro children; (7) consultation with leading school administrators in Boston; (8) consultation with Negro citizen leaders in Boston; (9) consultation with White and Negro parents in Boston; (10) consultation with Negro high school youth in Roxbury; (11) consultation with representatives of the Massachusetts Educational Conference



Board; (12) studies of proposals for reducing racial imbalance in school systems in other parts of the nation; (13) demographic map analysis of racial imbalance and other factors in the school districts of the state with particular reference to Boston and Springfield; (14) visits to public schools; (15) preparation of a number of working papers and other documents for the Advisory Committee.

In the judgment of the Committee, a racially imbalanced school is one in which the composition of the school population is sharply out of balance with the racial composition of the society in which the children study, serve, and work. In this sense, certain Massachusetts schools were found to be racially imbalanced. This conclusion led members of the Committee to volunteer their energies and talents to a second phase study, during which period specific plans will be developed to reduce racial imbalance. Among other considerations will be ways to plan the future location of schools in order to avoid racial imbalance; ways in which new designs for campus-style neighborhood schools may be developed to serve enlarged and more representative community areas; ways to encourage the further development of integrated faculties; ways that school administrators and guidance counselors can improve existing guidance services and expand such services into elementary schools; way of improving teacher education to strengthen understanding of intergroup relations and intergroup education techniques; possibilities of urban and suburban school districts exchanging students on a voluntary basis for limited periods of time; ways to continue and expand compensatory education programs (such as Operation Counterpoise in Boston) aimed at improving academic achievement among children in disadvantaged neighborhoods; and possibilities of encouraging school systems to select textbooks and other teaching materials which will prepare children more effectively for living in an integrated society.



The Board of Education looks forward to a final report on this important project on or about January 1, 1965.

SUMMARY OBSERVATIONS

The Continuing Problem of Teacher Shortages

For several years the Department has published reports on teacher supply and demand. On several occasions special emphasis was given to the increasingly serious shortage of teachers in certain disciplines. As an example, the shortage of science teachers revealed in 1957 following the launching of Russia's first satellite, became a national concern. Major remedial steps were taken, such as the passage of the National Defense Education Act in 1958, and yet six years later we continue to be plagued with the same problem.

This year a total of 50 Massachusetts colleges and universities concerned with teacher preparation contributed to the study. A total of 2,702 students contemplating teaching assignments on the high school level reflect the continuing imbalance among the several subject fields. The five areas of preparation with the fewest number of persons were (1) physics--2 persons or .07% of the total; (2) Russian--3 persons or .11%; (3) German--15 persons or .56%; (4) Latin--16 persons or .59%; and (5) Chemistry--21 persons or .78%. In all cases less than 1% of the total enrolled in courses designed to prepare teachers in these five subjects. The five areas of preparation with the largest number of persons were (1) Social Studies--599 persons or 22.2% of the total; (2) English--450 persons or 16.7%; (3) Physical Education--363 persons or 13.4%; (4) General Science--207 persons or 7.7%; and (5) Mathematics--188 persons or 7.0%.

It is apparent that more effective guidance procedures must be introduced by our secondary schools and collegiate institutions. Qualified students must be encouraged to enter the fields of short supply with the intent to become teachers. Conversely, they must be given the facts about fields where the market indicates a current oversupply. The problem of science majors being attracted to business, industry and research laboratories

can be met by establishing competitive salaries.

The report further indicated that 2,072 women prepared for assignments in elementary schools whereas only 219 men were similarly trained. The high school distribution was somewhat more balanced with 1,674 women and 1,028 men in the teacher preparation courses. Guidance counselors and college officials again must concentrate on the encouragement of qualified young men to enter the profession.

Resurgence in Massachusetts Public Higher Education

This title was selected by the Advisory Board of Higher Education Policy for its annual report. The reader is referred to the full document (House No. 3007) for a comprehensive treatment of the problems facing higher education. However, two major points of emphasis warrant repetition here. The first involves better utilization of the several campuses with a full 12 month schedule the ultimate goal. The implication should not be drawn, however, that the public institutions presently serve students only on a nine or ten month basis. With few exceptions programs of continuing studies are offered during late afternoon, evening and week-end sessions; and full summer operation has been in evidence for a number of years. Nevertheless, the total student admissions could be increased substantially if a trimester or four quarter calendar were introduced. With burgeoning enrollments, optimum use of facilities becomes mandatory.

During the year the Fund for the Advancement of Education completed a study concerned with more defensible utilization of collegiate resources. Institutions were listed and commended for seeking practical solutions to the space dilemma. Nationally, 69 colleges and universities were found to be using some form of the year-round calendar. Among the three most common forms of a twelve month operation 27 institutions (17 public, 10 private) divided the year into four equal terms under the Quarter System; 25 institutions (15 public, 10 private) used the Trimester System; and 17 institutions (8 public, 9 private) extended their standard summer sessions. Several of our institutions are working on adaptations of these plans and it is hoped that

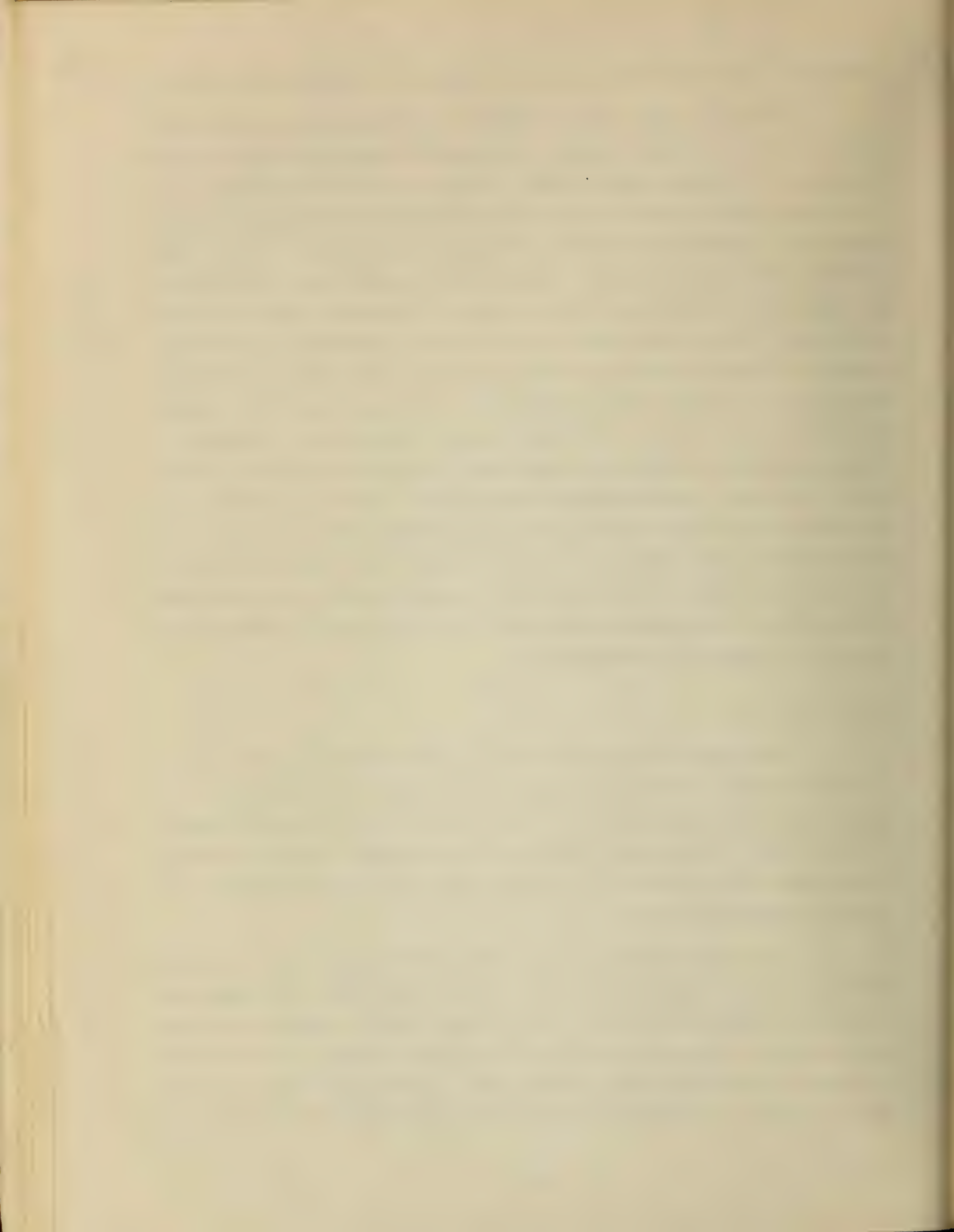
following initial success the plans will receive more widespread acceptance.

The second higher education feature to be discussed involves capital outlay. Last year comment was made on the need to expand our 25,000 student enrollment to a 75,000 figure by 1973. If the tripling of enrollments is to be realized, and we believe this goal should receive the highest of State priorities, the physical plant must be expanded accordingly. Not only must new facilities be provided for the additional student load, but obsolete buildings and equipment must be discarded. In previous years long-range projections received too little attention and the expediency of the moment resulted in limited appropriations being authorized for certain institutions. Others were eliminated from consideration or forced to wait for lengthy periods until the time for building was more appropriate. In general, a piece-meal approach such as this compounded the problems facing the institutions. The Higher Education Board examined the situation and recommended a ten year capital outlay program amounting to \$250,000,000. Programs of this magnitude have been undertaken in sister states with successful results. California, New York and Ohio might be cited as examples. The Department endorses the project and recommends that full and serious consideration be given to its immediate implementation.

Personnel

The success of any agency pivots on the adequacy and competency of its staff members. Without able and devoted workers the services will be non-existent, or at best mediocre. As indicated in the introductory section of this report, the Board of Education has requested a staffing pattern commensurate with the times. In no other way can the service needs of our system of education be met.

It is not possible to list the staff changes which take place annually in a department of this size. To do so would require many pages and relegate the Annual Report to a form of personnel digest. However, more than passing mention is due those who reached merited retirement after years of distinguished service to the Commonwealth. Among many others we salute Caroline Wilson and John Wostrel of the Vocational Division, Helen Garrity and



Mae Starr of the Division of University Extension, and Catherine Tobin of the Division of Research and Statistics. The Department also suffered an irreparable loss in the untimely death of Margaret Shea of the Division of Elementary and Secondary Education. Her contributions to the State's elementary schools constitute a lasting memorial in the Commonwealth's continuing quest for quality education.

Two other staff changes in major categories deserve mention. During the year Civic Education Director Thomas J. Curtin, following a most successful career in that Division, succeeded to the Deputy Commissionership left vacant by the return of William F. Young to a Superintendency assignment. After significant service as a principal and superintendent, Director Everett Thistle assumed his duties in the Division of Elementary and Secondary Education on January 1, 1964.

To all who have contributed to the Commonwealth's educational welfare, both within and outside the Department, I express heartfelt gratitude. Singled out for particular appreciation is the Board of Education. The Chairman and Members, in the spirit of Horace Mann and his associates, have given countless hours without remuneration of any type in the quest of a most worthy goal. To its attainment--a quality education for all--we will bend our efforts in the years ahead.

Respectfully submitted,

OWEN B. KIERNAN

Commissioner of Education

ANNUAL REPORT

Division of Elementary and Secondary Education

Year Ending June 30, 1964

Once again, the annual report of the Division must open on a note of sadness. Miss Margaret A. Shea, Senior Supervisor in Education (Elementary) passed away February 4, 1964. Miss Shea to the limit of her faculties while in her hospital bed carried on the planning for the 1964 Conference for General Supervisors and Elementary Principals. Her total commitment to serving the needs of the pupils of the Commonwealth lighted a beacon and raised a challenge for all who knew her. Our thoughts are epitomized in the following excerpt from a memorial plaque.

"...which life was devoted to the service of its young people of our state, we declare our devotion to our late beloved member for her scholarly contributions to our organization, her faithful attendance at our meetings, and for that deep spirituality and understanding which enriched our association with her. Her innate goodness, her humility and her sincere consideration and respect for her fellow man were a joy and an inspiration to all who knew her. There is an empty place in our hearts for a great lady and a true friend..."

Education in the Commonwealth will not soon recover from the deaths in service in the brief period of slightly over three years of three of its foremost leaders. Dr. Patrick J. Sullivan and Mr. John J. Millane, Division Directors, and Miss Margaret A. Shea, dean of the General Supervisors, are sorely missed.

PERSONNEL

The past year also brought with it two resignations for the purpose of accepting other positions in education. Mr. Frank G. Hill, Supervisor in Education (Junior High Schools) resigned July 30, 1963 to become a Junior High School Principal in Framingham, Massachusetts. Mr. Chester W. Santilli, Senior Supervisor in Education (Guidance, Counseling, and Testing) resigned October 19, 1963 to accept a professorship at Rivier College in New Hampshire.

As there is an end, so must there be a beginning. The following were welcomed to the staff of the Division during the past year.

| | |
|-------------------|---|
| December 29, 1963 | Dr. Everett G. Thistle, Director of
the Division |
|-------------------|---|

| | |
|-------------------|--|
| December 29, 1963 | John A. Geovanis, Supervisor in Education
(Junior High Schools) |
|-------------------|--|

It is a pleasure to have you here, and I am sure that you will find the atmosphere of the University of Chicago most congenial. The University is a place where the highest standards of scholarship and research are maintained, and where the most distinguished scholars from all over the world are gathered together. It is a place where the pursuit of knowledge is the primary concern, and where the highest standards of academic excellence are maintained. I am sure that you will find the atmosphere of the University of Chicago most congenial, and that you will find the highest standards of scholarship and research maintained here.

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May 31, 1964 John T. Schomer, Jr. promoted to Senior Supervisor in Education (Elementary)

June 29, 1964 C. Louis Cedrone, Supervisor in Education (Elementary)

June 29, 1964 William Hewson, Supervisor in Education (Guidance, Counseling, and Testing)

June 29, 1964 The Board of Education appointed Anthony J. Zarella as Supervisor in Education (Guidance, Counseling, and Testing) to begin service July 1, 1964

WELL DONE

A special "well done" must be extended to Warren E. Benson who served as Acting Director of the Division from October 1962 to December 1963. Under the circumstances the usual reaction would be to carry out the duties as Acting Director in a caretaker fashion without much thought to the long-term direction of Division operations and responsibilities. Warren Benson did not follow the usual pattern. Instead, he accepted fully his authority and responsibility and exerted his leadership to increase the amount and quality of Division service to the schools of the Commonwealth. Such devotion to the needs of the children of Massachusetts should not go unnoticed.

SUPERVISORY ACTIVITIES - Regular

The supervisors of the Division function at quite a peripatetic pace. A shortage in the number of supervisors is compensated for to some extent by the continued extensive travel throughout the length and breadth of the Commonwealth to provide on-the-spot service to the schools. During the past year a total of 1370 visitations were made to schools in the several cities and towns. In addition 99 visits were made to regional school districts and 21 to state colleges.

Supplementing the program of school visitation, Division staff members organized and conducted five state-wide conferences together with 20 workshops for local or regional groups. In 26 instances staff members attended workshops conducted by other groups.

The Division members continued to participate actively in the evaluation activities of the New England Association of Colleges and Secondary Schools. Individuals participated in 39 surveys conducted under the auspices of either the Department of Education or The New England Association.

In response to requests, Division personnel made 182 addresses to various groups. The supervisors were participants at professional meetings a total of 799 times within Massachusetts and 29 times at various out-of-state conferences.

SUPERVISORY ACTIVITIES - National Defense Education Act

The provisions of the National Defense Education Act as extended and broadened by the Vocational Education Act of 1963 require the full-time services of the ten supervisors assigned to these activities. Five men are carrying out the provisions for Federal support for Guidance, Counseling, and Testing under Title V, two supervisors are engaged in Title III activities in Modern Foreign Languages, and three in improvement of instruction in Science and Mathematics.

As provided in the revisions to Title III, funds amounting to \$800,000 were reallocated from other states to Massachusetts making a total of \$1,700,000 in Federal funds available to be matched by Massachusetts communities for acquisition projects under Title III.

In the past fiscal year, Title III supervisors reviewed and approved 1,120 projects to a total value of about \$3,400,000. Of these projects, 658 were in Science, 242 in Mathematics, and 220 in Modern Foreign Languages. This activity represents an increase in the number of projects of about twenty per cent over the 1963 fiscal year. The willingness of Massachusetts communities to match \$1,700,000 of Federal funds under Title III indicates a strong desire to improve school programs and a wide acceptance of the National Defense Education Act.

The supervisory activities under Title V-A of the National Defense Education Act continued on two fronts, the testing program in grades 8 and 10 and the improvement of guidance services at the secondary level. A reimbursement of \$18,604 in Federal funds was made to schools for the testing program under Title V-A. A total of 108,722 pupils benefited from that program restricted to testing only. The provisions of the State Plan were met by 163 school systems benefiting 238,575 pupils through approved programs in guidance, counseling, and testing. An amount of \$277,335 in Federal funds was reimbursed to these communities.

The number of local guidance counselors and directors has increased this year by 65 to a new total of 1183. The increase is impressive due to the fact that the 65 guidance counselors added were full-time personnel who were assigned approximately 2000 additional weekly man-hours for the provision of guidance services. The improvement would have been even greater had a supply of guidance counselors been available to meet all local requests. To help improve the supply of guidance counselors, this Division, together with the Division of State Colleges, has been making cooperative plans for the education and training of additional guidance counselors.

The following report on the work of the American Medical Association for the year 1913 was presented at the annual meeting of the association held at the Waldorf-Astoria Hotel, New York City, on May 1, 1914. The report was made by the president of the association, Dr. J. C. Brainerd, of Chicago, Ill.

The report was a comprehensive one, covering the work of the association in all its departments. It was a most interesting and instructive document, and it was well received by the members of the association.

The report was divided into several parts, each dealing with a different aspect of the association's work. The first part dealt with the work of the association in the field of medicine. The second part dealt with the work of the association in the field of public health. The third part dealt with the work of the association in the field of medical education. The fourth part dealt with the work of the association in the field of medical research. The fifth part dealt with the work of the association in the field of medical ethics.

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ABLE STUDENTS PROGRAM

In January 1964 an Institute of Seminars and Advanced Studies in Science and Mathematics was initiated for able high school students. This program, while sponsored under Title III of the National Defense Education Act, was organized and conducted with the assistance of several individuals and organizations. This pilot project is treated at some length here because of its implications for similar programs in other subject matter areas utilizing the cooperative efforts of several groups.

The 1964 Able Students Program had the assistance of organized groups representing business, the professions, scientific and engineering societies and local school systems. Particular aid was offered by professional societies in the recruitment of instructors from both industry and public and private colleges.

More than 100 communities in the Commonwealth were represented by the student body that attended the twenty-one high schools that served as host centers for the seminars. The assignment of these centers was made cooperatively by the Department of Education and interested public secondary schools. Students were selected to attend the seminars on the basis of: an unusual or demonstrated ability in science or mathematics; an IQ of approximately 120 or better; and the recommendation of the High School Principal and the heads of the Science and Mathematics Departments.

The seminars were scheduled for periods ranging from eight to twenty weeks, depending on the nature of the subject area. Students met one day a week, either late in the afternoon or on Saturday morning. While the majority of the classes were conducted at the schools, the students also participated in field trips to laboratories, research and development establishments, and computer centers in industries and colleges throughout Massachusetts.

The purpose of the Institute of Seminars and Advanced Studies was to supplement and enrich the current school curriculum offerings. By having practicing scientists and engineers serve as instructors, high school students were allowed the opportunity to discuss the latest developments in science and engineering with professionals, and to learn of the way in which a scientist actually works.

These seminar programs, which are believed to be the most extensive ever conducted in the United States, are planned for repetition on an expanded basis in the school year 1964-1965.

IN RETROSPECT

Looking back after six months in the Division, the Director has two major impressions concerning the functioning of the Division.

First, the conscientious efforts and the dedication of the personnel are continually in evidence. The most is made of each opportunity to serve the pupils in the schools of Massachusetts.

The second impression is allied to the first. Despite determination, hardwork, and dedication it is not possible to carry out the service mandate of the Division with the present number of supervisors. Without additional personnel the Division and the Department services will suffer. Currently, the few supervisors assigned to the Division are attempting to carry out the responsibility for direct, on-the-spot service to school systems. This work is extremely important but so few people must service so many schools that the supporting activities must be neglected.

Consider the fact that there are only two general supervisors at the secondary level to serve about 500 schools. At the elementary level two general supervisors attempt to provide service for some 1700 schools. Clearly this is an impossible task.

In the special subject areas there are not only shortages but complete gaps in the supervisory services. With the help of the Federal programs there is an adequate staff in the area of guidance. The Title III supervisors mentioned above must spend so much time in processing project applications as to be unable to do the field service work which is necessary. There is only one supervisor in each of the areas of Music, Conservation, and Physical Education and no supervisory help at all in such areas as English, Reading, Art, Business Education, the Social Studies, and Industrial and Home Arts.

The top-heavy assignments of the present supervisors and the complete lack of personnel in some areas make it impossible to devote adequate time to planning, studying, and preparing written material for servicing the local school systems. Curriculum guides and similar professional materials can not be developed under the present pattern of inadequate staffing.

Appropriations must be made over each of the next several years for additional supervisory personnel at realistic salary levels. Provisions must also be made for the necessary supportive personnel and for maintenance and operation, particularly including sufficient travel funds. The responsibilities of the Division for educational leadership and service can not be met without substantial increases in the number of personnel and the size of the appropriations assigned to the Division of Elementary and Secondary Education.

SECONDARY EDUCATION

Senior High Schools

During the 1963-64 school year the Office of Secondary Education has continued through planning, consultation, and field visits to provide leadership and services to the public schools.

Evaluations

Since the inception of the evaluation program of the New England Association of Colleges and Secondary Schools in 1955, the Massachusetts Department of Education has cooperatively provided strong leadership and in a service role has done much to implement this evaluation program throughout the Commonwealth.

In the 1963-64 year, 27 of the Commonwealth's public high schools were evaluated. During the year Department of Education representatives served as Chairmen of two of the Visiting Committee evaluations. At the same time one or more representatives from the Department of Education served on each of the Visiting Committees for the 27 schools evaluated. The following is a list of the high schools evaluated in 1963-64:

| | |
|-----------------|------------------------------------|
| Braintree | North Attleborough |
| Charlestown | Southwick |
| East Longmeadow | Springfield: Commerce |
| Greenfield | Tewksbury |
| Lawrence | Ware |
| Lee | Westborough |
| Leicester | Williamsburg |
| Longmeadow | Winchendon |
| Lowell | Concord-Carlisle Regional, Concord |
| Medway | Nauset Regional, Orleans |
| Millis | Oakmont Regional, Ashburnham |
| Newburyport | Wahconah Regional, Dalton |
| Newton: North | Whitman-Hanson Regional, Whitman |
| South | |

Throughout the 1963-64 school year the office continued to serve as a consultant in assisting schools to plan for their evaluations. Some ten schools were visited and assisted this year.

Survey

At the request of the Committee on Unions and Regional School Districts, the Office of Secondary Education led a Department survey committee which surveyed Unions 13, 17, and 47. Following these visitations to the towns comprising these Unions, reports were written and submitted to the communities involved.

Annual Conference

The Forty-first Annual Conference of the Massachusetts Associations of Junior and Senior High School Principals was conducted at the State College at Framingham on Tuesday and Wednesday, April 21 and 22, 1964. The Conference theme was "Education - Our Priceless Heritage." The Annual Conference concerned itself with outstanding programs now in progress and programs which are related to specific instructional areas.

Luncheon speakers were: Harry Schwartz, Russian Specialist and Member of the Editorial Staff, New York Times, on "The New Patterns in International Relations," Lester S. VanderWerf, Dean, School of Education, Northeastern University, on "Major Issues in Secondary Education," and Charles H. Yost, United States Deputy Ambassador to the United Nations, addressing the conference dinner meeting on the topic, "The Future of the United States."

All three speakers were outstanding and well received by all the principals.

The International Teacher Development Program

Once again the Division of Elementary and Secondary Education cooperated in the International Teacher Development Program administered by the United States Office of Education and the Department of State.

In January, 1964, eleven teachers of science from seven countries gathered in Boston for their assignments to communities throughout the Commonwealth. Since these teachers were in the field of secondary education, the Office of Secondary Education assumed major responsibility for the 1964 program. The Massachusetts communities which participated by acting as hosts to these teachers enthusiastically indicated that the program afforded excellent opportunities for developing greater mutual understanding between peoples and nations.

The foreign teachers and the communities to which they were assigned were the following:

| <u>Teacher</u> | <u>Country
Repre-
sented</u> | <u>High School and
Community Assigned</u> |
|-------------------------------|--------------------------------------|---|
| Mr. Luis Alberto Castellanos | Uruguay | Medfield High School |
| Mr. Eugeniusz Jan Grabryelski | Poland | Wakefield High School |
| Mr. Bogumit Habuz | Poland | Norwell High School |
| Mr. Ram Hari Joshy | Nepal | Pittsfield High School |
| Mr. Yong Hak Kim | Korea | Pentucket Regional High School, West Newbury |
| Mr. Seong Kyun Kim | Korea | Nashoba Regional High School, Bolton |
| Miss Ming Tak Law | Hong Kong | Bridgewater-Raynham Regional High School, Bridgewater |
| Mr. Andrzej Lisicki | Poland | Waltham High School |
| Mr. Mohammed Ali Paygami | Iran | Reading High School |
| Miss Appuswamy Ponnammal | India | Cohasset High School |
| Mr. Satya Narayan Rajhandari | Nepal | Dracut High School |

The culmination of this program was a meeting in the Department where the foreign teachers related their experiences and observations.

Other Activities and Assignments

In addition to the Secondary Education Office's other regular duties which include school visitations, conferences with administrators concerning educational problems, and participation in Principals' Discussion Groups, certain other activities and assignments were carried out.

During the 1963-64 school year the third of a series of yearly drop-out studies was made. At the same time the biennial studies in secondary (for junior and senior high schools) were tabulated and published. Some eighteen speeches were given at various clubs and organizations, schools, and commencements. Furthermore the Office of Secondary Education participated in many curriculum workshops as consultant.

The Senior Supervisor of Secondary Education also served as the State and National Coordinator of the Massachusetts Secondary School Principals' Association. He also has written a monthly article in the official publication (The Bugle) of the Massachusetts Secondary School Principals' Association.

SECONDARY EDUCATION

Junior High Schools

Introduction

The junior high school representative in the Office of Secondary Education wishes to express sincere appreciation for the cooperation and assistance received from junior high principals throughout the Commonwealth. The principals have indicated in many instances their satisfaction for the continuation of maintaining a junior high representative in the Office of Secondary Education. The junior high representative has endeavored to provide to junior high school educators service and leadership in an effort to assist them to enhance and broaden educational programs.

The junior high representative actively participated in Junior High Principal Area Group Meetings which are periodically held throughout the Commonwealth. An invitation was received to represent the Department of Education at the Board of Directors Meetings of the Massachusetts Junior High School Principals' Association. The Board of Directors recommended to the N.A.S.S.P. that the junior high representative be placed on the National Advising Council and this recommendation was acknowledged with an invitation to the next annual meeting to be held January, 1965 in Miami, Florida.

Professional meetings along with the Department of Education sponsored conferences and regular school visitations provided the junior high representative the opportunity to establish contacts with a majority of the principals. There contacts have facilitated favorable working relationships with the principals.

Conferences

Statewide and out of state conferences have proven to be valuable to participating principals and the number of these conferences which are either inspired by the Department of Education or by the Principals' Association are increasing in number. Junior High administrators attended the Junior High School Principals' Conference in Chicopee, the Long Conference in New York, the N.A.S.S.P. Conference in Chicago, the Massachusetts Secondary Schools Principals' Association at Framingham State College, the University of Connecticut's Junior High School Principals' Group and the Superintendent's Conference in Bridgewater. In addition to these conferences, Junior High principals had the opportunity to attend state and national conferences sponsored by professional organizations of special subject fields.

THE HISTORY OF THE

REPUBLIC OF THE UNITED STATES

OF AMERICA

The history of the United States is a story of growth and development. From the first settlers to the present day, the nation has expanded its territory and its influence. The early years were marked by struggle and hardship, but the spirit of the American people was always one of optimism and hope. They believed in a better future for themselves and for their children. This belief was the foundation of the American dream.

The American dream is a powerful force that has driven the nation forward. It is the belief that anyone can achieve success and prosperity through hard work and determination. This dream has inspired generations of Americans to pursue their goals and dreams. It has been the source of much of the nation's strength and success.

The American dream is not just a dream, it is a reality. It is the fact that anyone can achieve success and prosperity through hard work and determination. This is the American way. It is the spirit of the American people that has made the United States a great nation.

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Short evaluations were carried on in the following communities:

Hanson
Hanover
Whitman
Granby
South Hadley

Harvard
Bolton
Carlisle
Stow
Somerset

Swansea



MUSIC EDUCATION

Factors Affecting Music Education

There has been an increasing continuance, since 1960, of factors which have an adverse effect upon music instruction and upon pupil-participation opportunities. Some problems seem almost insurmountable due to increasing pupil enrollments, to double-session organization, to increasing emphasis upon preparation for college admission, to expansion of programs in mathematics, science, and foreign language programs, to gradual adoption of experimental concepts of staffing and of grouping, and to the prevalence of a thirty-period week in high school.

In a few instances, where school administrators have their own children within their school system, conditions have been ameliorated somewhat because of the personal realization of the serious lack of experiences in the arts. Purposeful effort results in providing a relatively proper place for the arts in the education program. Cooperation between music personnel and school administrators is necessary for betterment of teaching-learning conditions in the arts.

Research as to the status of and recommendations for arts education programs has been launched on state and national levels. There are district music research committees throughout the Commonwealth under the auspices of the Massachusetts Music Educators' Association. In April, 1964, The Report of The Commission On The Humanities (history, literature, arts, religion, and philosophy) was issued by The American Council of Learned Societies, The Council of Graduate Schools in the United States, and United Chapters of Phi Beta Kappa. It stated that specific needs of the schools, Grades I-XII, might be met by changes in the education of teachers, by improvements in the courses of study in the schools, by recognition of the needs of schools for materials and facilities, and by betterment of relations between schools and colleges. It stressed two points: that expansion and improvement of activities in the humanities are in the national interest and deserve financial support by the federal government; that federal funds for this purpose should be administered by a new independent agency to be known as National Humanities Foundation.

Visits To School Systems

Seventy-eight visits were made. County distribution was: Barnstable, 4; Berkshire, 10; Bristol, 2; Essex, 6; Hampden, 3; Hampshire, 2; Middlesex, 17; Norfolk, 10; Plymouth, 14; Suffolk, 8; and Worcester, 2. In addition to consultation with the music personnel, discussion of the music education program was held, during these visits, with five principals of elementary schools, nine high school principals, twelve superintendents, one assistant superintendent, one director of curriculum and one of audio-visual aids.

Introduction

1. The Problem

The first part of the paper discusses the problem of finding a path from a start node to a goal node in a graph. This is a classic problem in artificial intelligence and has many applications in real-world systems. The problem is often solved using search algorithms, which explore the graph from the start node until the goal node is reached. The search process can be very inefficient if the graph is large and the goal node is far from the start node. Therefore, it is important to find efficient search algorithms that can find the shortest path from the start node to the goal node.

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2. The Solution

The fourth part of the paper discusses the problem of finding a path from a start node to a goal node in a graph. This is a classic problem in artificial intelligence and has many applications in real-world systems. The problem is often solved using search algorithms, which explore the graph from the start node until the goal node is reached. The search process can be very inefficient if the graph is large and the goal node is far from the start node. Therefore, it is important to find efficient search algorithms that can find the shortest path from the start node to the goal node.

School Visitations

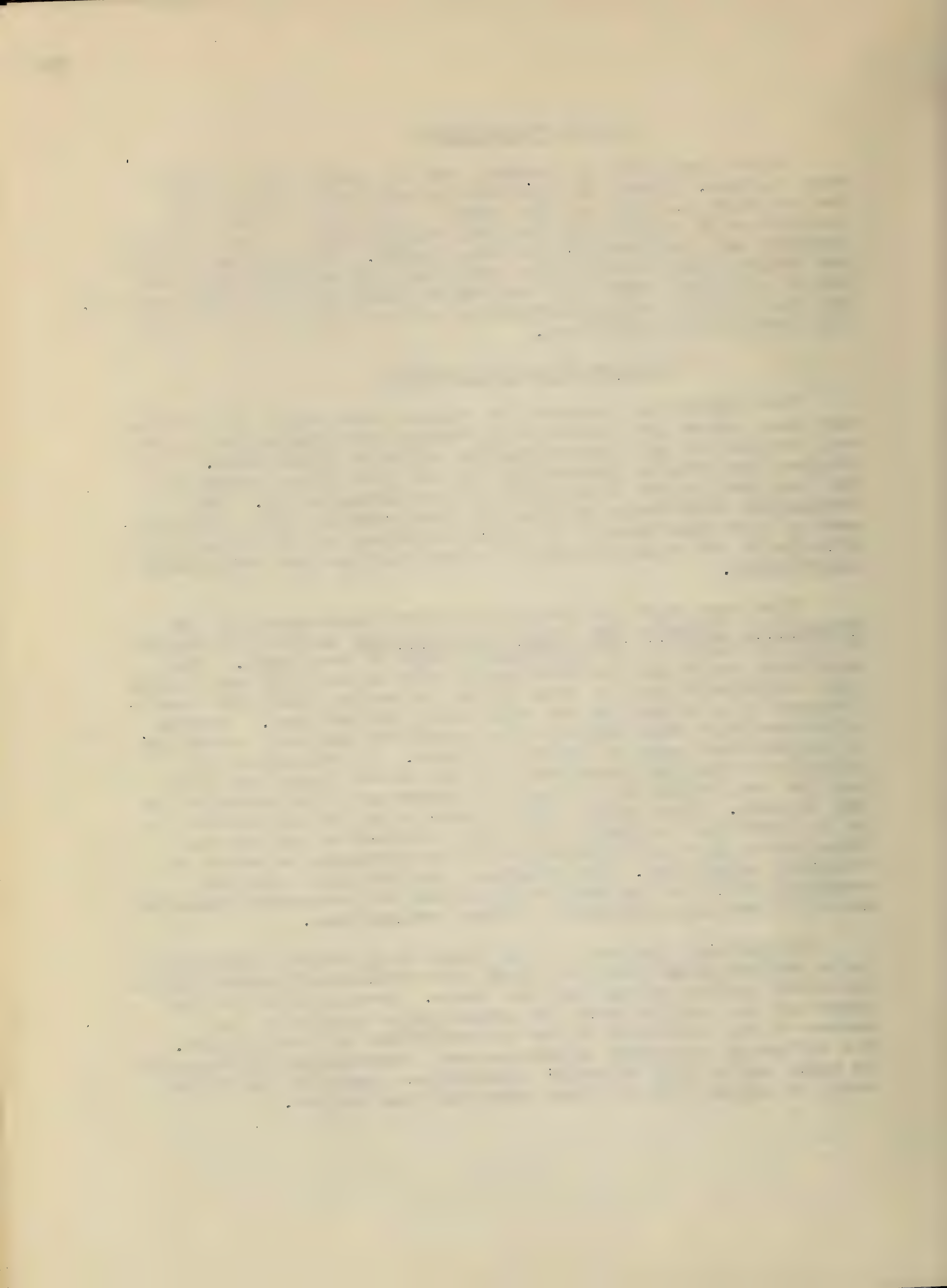
Since the first of January some 62 Junior High Schools were visited. These visitations included conferences with the Principals, tours of the school buildings, review and discussion of program of studies, recognition for outstanding features and recommendations when needed. Communities planning new Junior High Schools were contacted and meetings with the school officials were held to review plans and offer suggestions. The junior high representative had an active role with Junior High curriculum committees.

Junior High Evaluations

The evaluation program for Junior High School has reached the stage where two Junior High Schools have completed their self evaluation and have requested visiting committees. This program has been in the making for the past three years and was inspired by the principals of the Commonwealth. The Framingham Conference of 1961 set the scene for the establishment of the committee of 15 which comprised of 15 Junior High principals who were directed to study the various evaluation instruments.

This past year the committee agreed upon adopting the Evaluative Criteria For Junior High Schools as the instrument to be used until a new instrument could be developed. The committee requested the services of the senior high and junior high representatives of this office to assist them with establishment of a procedure for conducting evaluations. Several joint meetings were held and the committee was very receptive to suggestions made by the supervisors. It was agreed to initiate a visiting committee for the school year 1964-1965 and for two junior high schools to serve as pilot schools for the program. This office established a uniform procedure to be followed and initiated the first state-wide mailing to formulate a list of teachers and administrators to serve on visiting committees. The chairman for the first visiting committee will be the Senior Supervisor of Secondary Education who will set the pattern for future evaluations.

The primary purpose of the Junior High School evaluation is to assist principals to expand the educational opportunities for their pupils throughout the state. Keeping this in mind there are no requirements for junior high schools to be a member of any association for accreditation or recognition. The Office of Secondary Education was instrumental in assisting to make junior high schools' evaluations possible and it is ready to expand its services when the need arises.



ELEMENTARY EDUCATION

The Office of Elementary Education with a supervisor staff far too few in number and hampered by the lack of adequate funds is endeavoring to improve the quality of service and leadership. This report is a record of representative activities carried on by the supervisors of elementary education in an endeavor to upgrade the educators of over 500,000 pupils in the elementary schools of Massachusetts.

Personnel Changes

On February 4, 1964, the Office of Elementary Education suffered the loss of Miss Margaret A. Shea who passed away on that date. Miss Shea, a dedicated and devoted worker, did not know the meaning of the word "defeat". Miss Shea's loss will be deeply felt in the ranks of education in Massachusetts.

On May 29, 1964, Mr. John T. Schomer was promoted to the position of Senior Supervisor in Elementary Education. The Department of Education welcomed Mr. C. Louis Cedrone as an addition to the staff on June 29th. Mr. Cedrone, the former Director of Elementary Education in Greenfield, Massachusetts, brings to the Department a rich background of experience including that of teacher, guidance counselor, school psychologist, superintendent of schools, and curriculum specialist.

School Visitations

If supervision at the State level is to be effective, the school and classroom visitations must be an integral and vital part of the program. This function is being carried on only to a limited degree as the present staff of two can only attempt relatively few visits in spite of the fact that there are over 1,700 elementary schools. Mr. Benson, former director of the division, has stated publicly that it will take the present staff of two about 14 years to visit all the schools in Massachusetts of an elementary nature.

Approximately 150 school visitations throughout the Commonwealth of Massachusetts by supervisors of elementary education were made for one or more of the purposes listed below:

- * "observe educational programs in action
and serve as an exchange between communities
- * discover problems requiring state-wide
solutions
- * evaluate important developments in
elementary education
- * determine needs in specific situations
and to act in consultative role

- * add strength to the learning programs in operation
- * gain a more comprehensive picture of elementary education throughout the Commonwealth
- * make presentations on current educational trends at teachers' meetings and other meetings as required"

Annual Conference

The thirty-fourth Annual State Conference for Elementary School Principals and Supervisors was held for three days at the University of Massachusetts. The theme of the Conference was, "New Trends in Learning".

Dr. Donald D. Durrell, Professor of Education, Boston University, in his keynote address, developed the theme of the conference. The roster of speakers participating in this Conference included Dr. Owen B. Kiernan, Commissioner of Education in Massachusetts, Dr. Everett G. Thistle, Director of Elementary and Secondary Education, John L. Steele, Coordinator of the Massachusetts Education Study, Dr. Thomas Curtin, Deputy Commissioner of Education, Mr. Chan Waldron, Supervisor of School Visitation, Boston Museum of Science, Dr. Harry Anderson, Professor of Education, Boston University, Dr. Dave Page, Director of Mathematic Research of the Educational Services, Watertown, and Dr. Charles E. Brown, Superintendent of Schools, Newton, Massachusetts.

The Conference was attended by more than 1,000 educators. Reports indicate that principals and supervisors found that the Conference stimulated their thinking. Acquisition of knowledge concerning state-wide educational practices in curriculum areas is ever-present. Many of those who attended expressed their hopes that the Department of Education will be able to allocate more funds to expand the scope of the Conference and to bring more able speakers, authorities in their field, from all over the country to future conferences.

Public Relations

The Office of Elementary Education is fully cognizant that one of its primary duties is that of informing the "publics" about significant educational changes and to indicate the manner in which the sought after improvement in schools may be brought about.

The Supervisors spoke to the approximately 2,000 lay persons at P.T.A. meetings, as well as three to four thousand professional educators in meetings of professional study groups throughout the State.

Both Supervisors were actively associated as members of the Executive-Boards of the Massachusetts Elementary Schools Principals Association and the General Supervisors of Public Education in Massachusetts.

Members of this office visited elementary principals study groups throughout the State in order to keep the "grass roots" informed, and receive "feedback".

The supervisory staff served as guest lecturers at six of the State Colleges either during the Intensive Teacher Preparation Programs scheduled during the summer, or upon invitation during the college year. The summer session at the University of Massachusetts and Boston University scheduled a member from this Office as guest lecturer.

The Senior Supervisor accepted an invitation to serve as a member of the ad hoc committee for the Kindergarten Conference, sponsored jointly by the New England School Development Council and Lesley College, and also served as consultant during the Conference which enrolled participants from the six New England States.

In-Service Education

The Office of Elementary Education has endeavored to meet the needs of various communities by offering in-service programs best suited to solve local problems.

Workshops or conferences of varying lengths were held for the following communities under the leadership of the Office of Elementary Education or in conjunction with members of Title Three.

| | | |
|------------|--------|---------------|
| Yarmouth | Medway | West Boylston |
| Cummington | Palmer | Nantucket |
| Ashfield | Monson | Marshfield |
| Goshen | Hawley | Charlemont |
| Plainfield | Heath | Rowe |

Evaluations

The Office of Elementary Education was called upon by the Deputy Commissioner to be a part of survey teams and to make recommendations.



Observations During Visitations

There are systems that belie the attitude of some school administrators that it is almost impossible to schedule varied music activities for many pupils during school hours. Co-operation between high school principals and music personnel has made possible a relatively full program of music education experiences in several systems. Among those noted during this school year, 1963-1964, was Westwood, Dover-Sherborn Regional, Concord-Carlisle Regional, Bedford, Barnstable, Quincy, and Norwood. There are others continuing the favorable relationship of previous years.

Attention is being given to providing systematic music education experiences for pupils in special classes. This is especially desirable because music has therapeutic as well as social and cultural value for these pupils. Proportionate reimbursement is given by the state to towns for the amount of time given by the music specialist to these groups.

Many systems are acquiring and using efficiently the excellent basal series which are available. Supplementary materials and related audio-visual aids which enrich the music education programs are being used also.

The apparently unpredicted increased pupil-enrollment in many towns causing inordinate demands upon physical facilities causes either an overcrowding of music instruction groups, or the lessening or discontinuance of instruction periods.

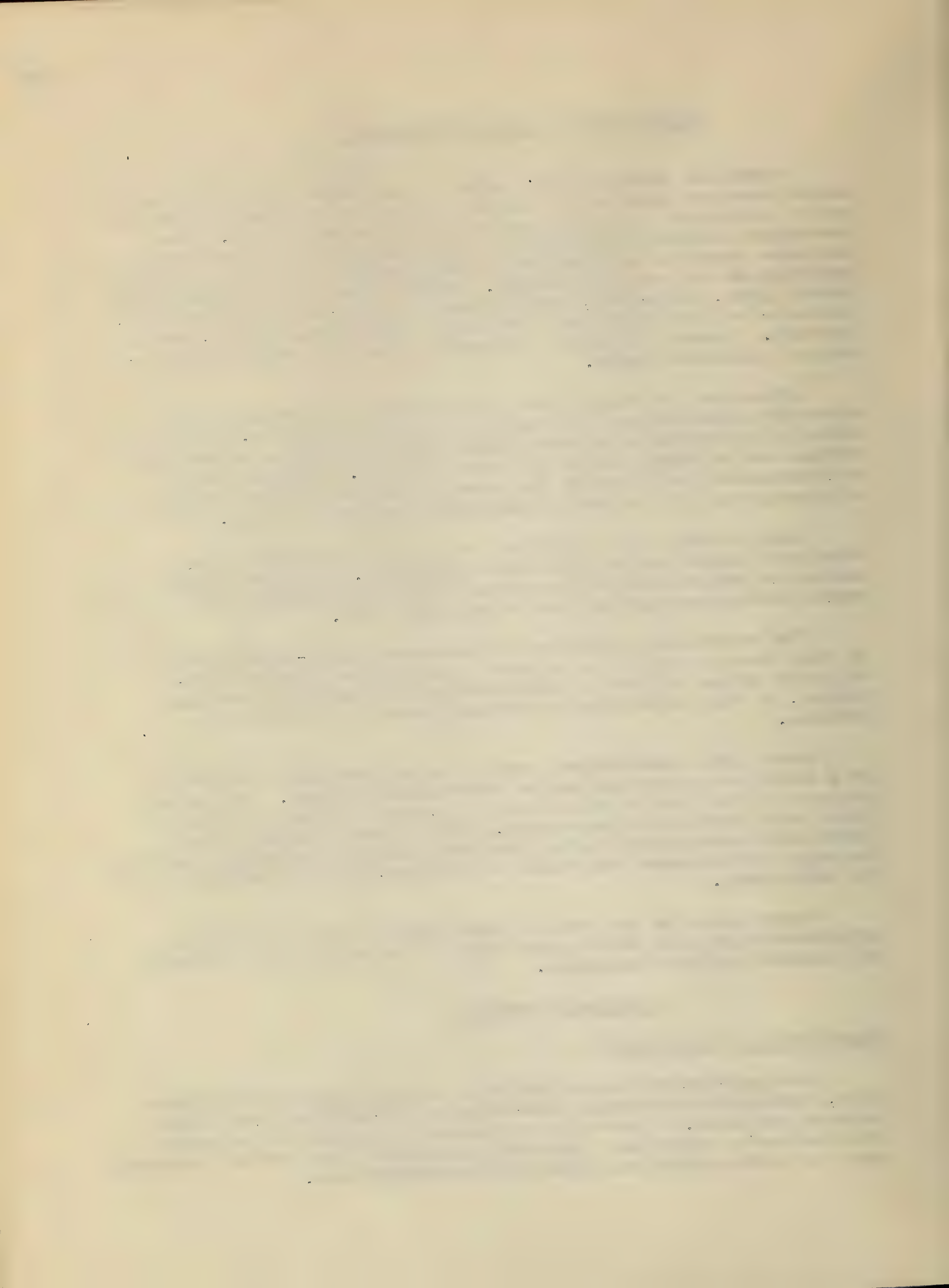
Among less experienced music instructors there seems to be a tendency to overemphasize theoretical phases. The main purpose of the public school music program is the building of vocal and listening repertoires, with related theory being introduced concurrently with the music literature being studied, in order to increase the skill to perform, and the ability to understand.

There seems to be lack of coordination between English departments and the music specialist in selecting the content of courses in The Humanities.

Advisory Services

Consultative (In Office)

Over one-hundred consultations, by appointment and otherwise, were held concerning pre-service, in-service, and other related problems. There was an increasing number of requests from master's degree and doctoral candidates for factual material and for professional opinion and recommendations.



There seemed to be a marked influx of applicants for positions from other states. Although the office of music education has no responsibility in placement, yet it is deemed to be a courtesy, to discuss conditions and objectives of music education programs within the state. The raising of the minimum salary in Massachusetts plus the local opportunities for graduate study seemed to be the reasons for increase in out-of-state applicants.

Organizational

Analyses of and recommendations for revision and reorganization of many music education programs were made during office visits of music specialists and general school administrators.

Complete time-study analyses were made, after visitations, for Holyoke, Salem, Barnstable, and East Bridgewater school systems. These analyses included recommendations for immediate and future application. Service was given on the art, music, and pupil activities committees at The New England Association of Secondary Schools and Colleges Evaluation of The Wahconah Regional High School in Dalton. Five-hundred copies of The Music Personnel List for 1963-1964 were distributed.

Conclusion

A report Twenty-Five Years of State Music Supervision in Massachusetts, will be available after December, 1964, in the library of The Department of Education.

CONSERVATION EDUCATION

Introduction

The word "conservation" connotes thrift. Most individuals willingly save and protect their personal property - in other words, use it wisely. However, the idea must be constantly reinforced that individuals should be just as careful in their use of community property.

Importance of Conservation

Conservation is more than a subject. It involves a way of life. When pupils are taught the wise use of school supplies and school property, we do not hear, "Oh, let the janitor clean it up" or "Don't worry about how much we use, our fathers pay the taxes."

Conservation is the wise use of natural resources which results in the greatest good for the largest number of people for the longest period of time. This long range view requires citizens who will look upon our natural resources, not as properties that may be irresponsibly owned and misused, but as wealth held in trust for the present and future welfare of all citizens.

Since a primary responsibility of the public schools is to provide opportunities for the students to become good citizens, they must make provision for students to develop an appreciation of the importance of conservation, and understanding of how conservation contributes to the well being of all people, and developing functional conservation concepts. Such provisions can be effectively made by integrating conservation into the entire curriculum - in all subject matter in grades K through 12.

The need for Conservation Education

Massachusetts has a population of more than 600 people per square mile - placing a severe drain on our remaining natural resources. Simple, concise written materials issued as a series - written for both pupil and teacher was the consensus of a November, 1963, Department of Education sponsored conservation conference. Three publications at three different grade levels are presently being written with financial assistance from the Fund for the Preservation of Wildlife and Natural Areas (Boston, Massachusetts) for mailing to the schools during the school year, 1964 - 1965.

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Routine Activities

Numerous office interviews were held with the following: school principals, town conservation commissioners, garden club members, sportsmen club members, boy scout leaders, science supervisors, college students, and laymen interested in conservation education. Approximately fifty-seven school visitations were made.



PHYSICAL EDUCATION, HEALTH, AND SAFETY

During the year 1963-1964, the Supervisor of Health, Physical and Safety Education visited the schools of one hundred eighty-eight cities and towns. Other visits included those to 12 regional schools, four vocational and trade schools, twenty-two colleges and universities and two prep schools. Other activities were as follows: seven city and town recreational departments, one correctional institution, twenty-one speaking engagements, seven athletic meetings, and six conferences.

Annual Physical Education Conferences

The Massachusetts Department of Education Annual Physical Education, Health, Recreation, and Safety Conference was held at the Sheraton-Plaza Hotel, Boston, on April 10-11, 1964. An estimated 2,500 Physical educators attended. Greetings on behalf of President Johnson were extended by Dr. Owen B. Kiernan. President Johnson sent a telegram congratulating the Department of Education for its interest in Physical Fitness. Also Governor Peabody and Stan Musial, Chairman of the President's Council on Physical Fitness, along with Congressman McCormack sent telegrams. Commissioner Owen B. Kiernan and Ralph Colson, Supervisor, were guest speakers during the conference.

Massachusetts Youth Fitness Month (May)

Governor Endicott Peabody proclaimed May, 1964 as Massachusetts Physical Fitness month. In a great variety of programs the Massachusetts Physical Fitness month was observed in school and college assemblies, special meetings of Parent Teacher Association, and service clubs throughout the State. Many schools gave testing demonstrations and used the Amateur Athletic Union Physical Fitness Tests, National Association of Physical Education Tests, U.S. Marine, U.S. Navy, Krause-Weber, and the President's Suggested Tests for Physical Fitness. Governor Peabody appointed the State Supervisor of Physical Education to membership in his State Physical Fitness Council, September, 1963, and he requested that he represent him for the State of Massachusetts at the President's Physical Fitness Conference in Albany, New York, March 6, 7, 1964.

Local Programs

Many elementary and junior high schools have planned excellent curriculum programs to fulfill their own physical education and health needs. Our Department has requested that every physical education period be primarily a period of instruction in which fundamentals, techniques, skills, and testing activities are stressed....not a period for free play.

Out of 252 high schools, there are only 8 with no gymnasiums and 10 have no Physical Education program. Only 22 schools set aside 15 minutes a day for vigorous exercise. Out of 224 junior high schools, 10 have no physical education programs. Also, of 1,800 elementary schools, 669 do not have gymnasiums.

Awards

Certificates of Merit were presented to the Supervisor of Physical Education from the United States Navy, Kiwanis, Rotary and Lion Service Clubs in Massachusetts. These awards were in recognition of his efforts in promoting programs to meet the need for more Physical Education for all youth and adults in the Bay State.

Cooperative Activities

The State Supervisor of Physical Education assisted or cooperated with the following agencies, in matters concerning Physical Education, Athletics, Health, Recreation, and Safety:

The Massachusetts Registry of Motor Vehicles

Olympic Coach of the Netherlands concerning the new hot-top rubber track.

The Young Men's Christian Association (New England Council)

The American National Red Cross

The National and Massachusetts Safety Councils

The United States Olympic Track and Field Committee for 1964 (Japan)

The American Amateur Athletic Union (Executive and Foreign Relations Committee member)

The American Committee for Junior Olympics (member)

National Amateur Athletic Union (Vice-chairman of Track and Field Committee, Vice-chairman of Physical Fitness Committee, and Vice-chairman of Olympic Development Committee)

New England Amateur Athletic Union (Member of the Executive Committee, Vice-chairman of Track and Field Committee, Vice-chairman of Physical Fitness Committee, and Vice-chairman of Olympic Development Committee)

The United States Armed Forces Physical Education Recreation Council

Special Notes

During the 1963-1964 season our Department has assisted the School Department of Acton and Ayer High Schools in planning and acquiring a new Hot-top tracks.

We assisted the Boston Park Department, which served 60,000 youths from 180 playgrounds, with the Junior Olympics. However, the Holyoke Park Department and the Springfield Park Department also conducted Junior Olympics.

As National Vice-chairman and the New England Chairman of the National Amateur Athletic Union of Physical Fitness the Supervisor is pleased to note that among the fifty states, Texas barely led Massachusetts in the number of schools participating in these tests during the 1963-1964 season.

The Supervisor was elected Assistant Manager of the United States Olympic Track and Field Team in Japan, October, 1964.

President Johnson invited the State Supervisor to bring six leaders in Education from Massachusetts to attend his Physical Fitness Congress at Albany on March 6-7: The President of the Massachusetts Principals Association, The President of the Massachusetts Superintendents Association, the President of the Massachusetts School Committee, The President of the Massachusetts Parent-Teacher Association, the President of the Massachusetts Association of Health, Physical Education, and Recreation, Dr. Everett Thistle (Director of the Division of Elementary & Secondary Education), and the State Supervisor selected by Governor Endicott Peabody to represent the State.

In May, 1964, the State Supervisor of Physical Education, was appointed a member of the Save the U.S.S. Massachusetts Memorial Committee by Commissioner Owen B. Kiernan.

OFFICE OF SCIENCE AND MATHEMATICSGeneral

The tremendous changes which are taking place in our culture today are based in the main spring of a scientific revolution, the scope of which is only just the beginning to be fully comprehended. The implications of this explosion in scientific knowledge and competency are vast for an educational system which is changing only slowly and reluctantly from the methods and patterns of a simpler society. Those who teach science or mathematics in secondary schools have less than 200 hours per year to help their students penetrate in some depth the concepts and supporting factual material on which these great changes in our society are based.

The supervisors of science and mathematics have attempted to carry out their professional responsibilities through several broad approaches to the basic problem of improving science and mathematics in our schools. Probably the most important aspect of the "new science" and the "new mathematics" is the emphasis on student participation. The student needs to "discover" for himself the relationships within the subject. A distinguishing feature of effective teaching is experience in a laboratory situation, and the essential features of modern courses in science and mathematics are based on learning by doing. One of the central objectives of the supervisory staff has been to aid in the understanding and implementation of this approach.

The second important objective, related to the first, has been the administration of Title III of the National Defense Education Act for the purpose of providing more adequate laboratory facilities, teaching aids, audio-visual equipment and similar devices to help improve the teaching situation in science and mathematics. A large part of the supervisors' time has, therefore, been devoted to this. More detailed figures are provided later in this report, but it is important to emphasize that the considerable amount of time devoted to this act has had a strong impact upon improving science and mathematics facilities and in strengthening the morale of the staff. This money, together with advice and assistance in developing programs to go with the new equipment has resulted in a marked improvement in the general level of the science and mathematics programs in our schools.

It has been very gratifying to find an increasing use in the services of this office, particularly in the area of consultative services, both in the matter of curriculum and program of studies and also in the design of laboratories, for new construction of the remodeling of old buildings to provide more modern facilities. There has been a marked increase in the use of NDEA funds. In addition to the basic amount of



\$918,000 for Massachusetts Title III use, and additional sum of \$800,000 was transferred from other states. This entire sum was also encumbered for Massachusetts communities. Of this amount, something over \$1,300,000 was devoted to science and mathematics projects.

Liaison Activity

An important responsibility of the supervisors is involved in liaison with other facets of the educational enterprise including colleges, industrial laboratories and professional societies. A considerable amount of time was spent by the staff in accomplishing this; taking part in professional meetings with the professional societies, in visits to industrial laboratories and in conferring with industrial research and development personnel.

We estimate that the supervisors attended meetings or made inspection visits to perhaps 35 colleges in the New England area. In many cases, effective working relationships were established with college faculty members.

Supervisory Visits

An active program of school visitations was carried out, both in response to administrative request and to assure an understanding of the general level of performance in the science and mathematics area. Approximately 300 visits of this nature were made.

School Surveys

The staff assisted in school surveys in a number of areas. Evaluations by the New England Association of Colleges and Secondary Schools, in which supervisors in science and mathematics participated, took place in Tewksbury, Millis, Medway, Norwell, Concord-Carlisle, Leicester, Newton North and Newton South High Schools. Other surveys of a formal or informal nature requested of the Division of Elementary and Secondary Education were made in a considerable number of Massachusetts communities. These included survey visits to Old Rochester, North Middlesex, Tantasqua, Chelsea, Grafton, Millis, Salem, Westport, and New Bedford High Schools.

Science and Mathematics Fairs

The supervisory staff was active in assisting and sponsoring fairs in both mathematics and science throughout Massachusetts. A typical activity in mathematics was the Fourth Annual Mathematics Fair sponsored jointly by the Massachusetts Department of Education and the State College at Salem. In the hope of enabling more students to participate, it was divided into six preliminary fairs and a final fair. The preliminary fairs took place at Masconomet Regional High School, Tahanto, Wahconah, Cunningham Junior High School in Milton,



Bishop Fenwich High in Peabody, and Winchester High School. Participants were from parochial, public, and private schools. It was interesting to note a trend in the science fair movement. With the increase in popularity of this activity, many elementary and junior high schools have developed very worthwhile and interesting science fairs, while at the senior high school level, exhibits have become fewer but more sophisticated. In this connection, it is also noteworthy that many schools have developed a type of science seminar. This activity involves the preparation of an experiment and the writing of a scientific paper by the student. These papers are then presented as a seminar in the presence of practicing scientists and university professors and industrial scientists. Among activities of this nature was a Joint Science and Humanities Symposium sponsored by the Massachusetts Institute of Technology, the Army Quartermaster Corps., the International Business Machine Corp., and the Massachusetts Department of Education. At this meeting, selected students, together with their teachers from Massachusetts communities, presented papers to their peers and a distinguished gathering of the scientific community in Kresge Auditorium. Included in the program were address by Dr. Stratton; by Dr. VanAllen, discoverer of the VanAllen belt; and other distinguished scientific leaders. During the symposium, students were able to take part in small group experiments with leading research men at the Institute. Another meeting of this type was a Science Youth Congress, sponsored by the National Science Teachers Association, together with NASA and the Department of Education. At this meeting the students also presented winning scientific papers and visited scientific installations at Harvard University and at M. I. T. Similar activities in which the supervisors assisted were carried out by the Junior Engineering Technical Society (JETS.)

Consultant Services

Assistance to local schools in this category can be broadly classified in two basic areas. The first deals with the methods and values of the new programs in science and mathematics, such as the Physical Science Study Committee Physics, the CHEM Study and CBA Chemistry, the new programs in Biology developed by the American Institute of Biological Sciences through the Biological Sciences Curriculum Study group. In addition there are as many as a dozen new programs in modern mathematics. Administrators and teachers have been advised with respect to the merits and problems of these new approaches. The other category deals with the provision of suitable laboratory facilities and the needed equipment, models and visual aids necessary to obtain fullest improvement. An example of the former category might be the work carried on with the staff at Duxbury High School in the development of science programs with particular emphasis on the Slow Learner. An example of the latter category would be assistance given to the staff at Chelsea High School. This system has been handicapped by very ancient and dilapidated science facilities and they are now in the process of performing a massive revision and improvement of all

their laboratories together with associated services, such as the provision of electrical power and the provision of proper fume hoods and ventilation systems in the chemistry laboratories.

Workshop Programs

A number of activities devoted to the in-service training of teachers were carried out. While these activities were restricted by limited funds and by the heavy demands on the supervisors' time, workshop programs were carried out at the request of a number of communities and others were initiated by the Department staff. Examples of the in-service training program for elementary school teachers in mathematics are those carried out in Marshfield and in Palmer, Massachusetts. Both programs were very favorably received. The Marshfield program was divided in two parts; one of ten weeks for which the Marshfield School Department was responsible and the second of six weeks for which the Department of Education was responsible. The Palmer program was sponsored in its entirety by the Division of Elementary Education, through the services of a consultant. A series of ten sessions was held. Both programs were well attended, helping approximately 120 elementary school teachers in Marshfield, Palmer, and Munson, Massachusetts. It is felt that in order to implement the transition from the traditional mathematics to the modern mathematics that many more of these in-service programs should be initiated, the final burden being shared by the communities and the Department of Education. The programs stressed the subject matter of modern mathematics rather than methodology. It appears that many well-trained teachers need upgrading in the subject matter of this new approach to the teaching of mathematics. Workshops were also conducted in Sturbridge and in West Boylston, where they are planning to initiate programs in the new mathematics.

Workshop activities in science were carried out in a number of schools. Typical of these science activities was the workshop held at the request of the Sturbridge Superintendent of Schools for elementary science teachers in the area. The purpose of the meeting was to assist the elementary teachers in the development of modern science programs which would integrate the work of the various schools including the programs in Tantasqua Regional High School.

The New England School Science Advisory Council (NESSAC)

The New England School Science Advisory Council was originally founded under the sponsorship of the New England Council. It was financed by foundation grants for several years. It became apparent that upon expiration of the grants, active support was needed to perpetuate this very useful organization.

The purpose of NESSAC is to establish active cooperation between industry and professional scientific groups, and the

science programs in the schools. This active assistance is provided by volunteer liaison agents from scientific industries and professional societies who cooperate with local schools to supply services which they may need, such as surplus scientific equipment, speakers for school clubs and assemblies, and by providing field trips to interesting laboratories and other similar facilities. The supervisors of this office have participated actively during the past year in an attempt to reorganize this group along more permanent lines. It now appears that this activity will be sponsored and provided headquarters by the Engineering Societies of New England (ESNE.) It is felt that active cooperation with this group will result in an organization which can do a great deal of value in assisting the teaching of science and mathematics in the schools of Massachusetts, and the other New England states.

Museum of Science School Program

New legislation passed in the fall of 1963, provided funds for the expansion of the special MDC school science demonstration program, formerly limited to schools within the Metropolitan District, to all of the public schools of the Commonwealth.

The Office of Science and Mathematics assisted the staff of the Museum of Science in planning and implementation of this new program. The results of the first year's operation have shown that use of the Museum's facilities by the schools seems to have reached the point of saturation during the spring, 1964, semester of the school year. Reports from the museum staff indicate widespread acceptance of, and satisfaction with the program, to the degree that any further extension will require an increase in the legislative appropriation for this purpose.

Computer Oriented Mathematics

The Office of Science and Mathematics continued to work with school systems in the development of courses in computers and computer oriented mathematics. For the first time in Massachusetts, school systems conducted classes in computers as part of the regular mathematics curriculum. This was done in Belmont High School, Newton South High School, Waltham High School, and Westwood High School.

A high degree of interest in this program was shown by the students and teachers involved. Analysis of the results of these courses indicate marked achievement in the teaching of difficult mathematical concepts as a result of the use of the digital computer. Active cooperation in the organization of these courses, and in the provision of industrial computer facilities was shown by the Greater Boston Chapter of the Association for Computing Machinery.

The role of Massachusetts in the development of computer-oriented mathematics courses was recognized by the National Council of Teachers of Mathematics, who appointed the Senior Supervisor of Science and Mathematics to serve as a member of its Committee on Computer-Oriented Mathematics. The Council has designated Massachusetts as one of five pilot areas in the country in the development of this new aspect of mathematics instruction which is considered to have strong potential for the improvement and up-dating of the mathematics curriculum.

With the assistance of research and development organizations in the Greater Boston area, the Office of Science and Mathematics has initiated a study of the use of a large electronic computer with several remotely-located operational terminals as a means of providing computer facilities to a school without the necessity of the school's purchasing of its own computer.

Such a facility, planned to operate on a time-sharing basis, provides instantaneous use of a computer by many simultaneous users, without any delay or interference between the using schools. It is envisaged that this method of real time or instantaneous time-sharing computer use could provide for permanent installation of a computer terminal in the mathematics classrooms, where it is available for teacher or student use at any time during class instruction or after regular school hours.

Several national agencies have expressed strong interest in this project, the first of its kind in the nation, which has considerable significance for the enrichment of instruction in science and mathematics. Continued development of this project will be carried on in the school year 1964-65.

NASA - Spacemobile Program

The National Aeronautics and Space Administration made available to the schools of Massachusetts a team of lecturers, together with a van, equipped with equipment and visual aids designed to instruct students in progress in space exploration.

The Senior Supervisor in Science scheduled this lecture-demonstration throughout the state and supervised its appearances in the public schools. Administrators, teachers, and students had high praise for this activity.

Aero Industry Youth Science Program

During October, 1963, the Office of Science and Mathematics was requested to assist the Air Transport Association, representing some 30 associated aero space industries, in further expansion of a summer science seminar program conducted for the past few years at the University of Massachusetts in Amherst.

Captain Malcolm Conway, representing the ATA, indicated the interest of the Association in expanding the scope of the program to handle more selected high school students, drawn from the entire New England area.

Several meetings were held at the University of Massachusetts with Dean Purvis of the School of Education, and at the Department of Education in Boston. Plans were made to enlarge the program beginning in the fall of 1964, and to establish a new schedule of activities for the students who will attend the program in the summer of 1965. Approximately 150 students are expected to be involved, comprising 5 seminar groups, each assigned to its own schedule for field trips, class work, and seminars.

Title III Trends

Analysis of project applications shows increasing interest in certain areas which are listed below:

1. Elementary School Science
 - Increasing support for the elementary program
 - Laboratory facilities
 - Apparatus kits
 - Meteorological instruments
 - Science reference books
 - Projectors and films
2. Junior High School Science
 - Reference books
 - Earth science equipment
 - Projectors and films
 - Overhead projectors and projectuals
 - Microscopes
 - New laboratory facilities
3. High School Science
 - PSSC apparatus
 - Reference books
 - New laboratory facilities
 - Project areas
 - Special project equipment
 - Electronics equipment
 - More specialized instrumentation
 - Audio-visual equipment and films
4. Elementary Mathematics
 - Teacher reference materials
 - Games
 - Feltboards and figures
 - Flashcards
 - Overhead transparencies
 - Overhead projectors

5. Secondary Mathematics

Teacher reference materials
 Student reference materials
 Desk calculators
 Transparencies

NDEA Project Summary

| | | | |
|------------------|--------------|-------------|---------------|
| Math | 242 projects | \$ 185,850 | Federal funds |
| Science | 658 " | 1,130,700 | " " |
| Total (inc. MFL) | 1120 " | \$1,700,000 | " " |

These sums have been matched by an approximately equal amount in local funds. Thus, approximately \$3,400,000 has been expended to benefit Science, Mathematics, and Foreign Language programs in Massachusetts schools.

Summary of Cooperative and Liaison Activities

Supervisory Visits

Approximately 300

Evaluations

Concord, Carlisle, Leicester, Medway, Millis, Newton
 South, Newton North, Tewksbury

Surveys

Chelsea, Grafton, Millis, Natick, North Middlesex,
 Peabody, Provincetown, Old Rochester, Salem, New Bedford,
 Westport, Westwood, Tantasqua

Colleges

Boston College, Boston University, Babson Institute,
 Bridgewater, Brandeis, Fitchburg, Framingham, Eastern
 Nazarene, Harvard, Holy Cross, Lowell, Technological
 Institute, Northeastern, Simmons, Salem, Tufts, University
 of Massachusetts, University of Rhode Island, Massachusetts
 Maritime Academy, Wentworth Institute, Wayne State College,
 Wellesley, Worcester Polytechnic Institute

Summary

In summary, much has been accomplished during the past year to strengthen science and mathematics instruction. Valuable personal working relationships have been established in a great many communities, resulting in worthwhile consultant services to a wider group of school staff. Many constructive activities have been supported and useful liaison maintained with a wide variety of scientific and mathematical activities which will continue to provide useful support for our schools.

It is hoped that these gains in service may be maintained and that the services of this office can be increased in scope and value. A great deal remains to be done in the field of in-service training of teachers. Even with an increase in staff, this will have to be done through the use of paid consultants. Our own staff can furnish the direction and organization of such activities, but it is unrealistic to expect to staff such activities on a continuing basis without outside help. With more administrative funds available, it should be possible to improve results in this area.

It is also desirable to establish regional equipment and demonstration centers to promote better use of available new and improved equipment and recently developed programs involving new curricula.

MODERN FOREIGN LANGUAGES

This year has been notable especially for

- 1) the largest volume of Title III business in five full years of operation;
- 2) the "Keating Report" on the effectiveness of language laboratories;
- 3) an extensive workshop program based on filmed presentations;
- 4) the publication of a second bulletin on foreign languages;
- 5) the completion of several fact-finding studies;
- 6) significant increases in modern foreign language enrollments in both junior and senior high schools;
- 7) important progress in dealing with problems of educational television;
- 8) the report and recommendations on foreign language teaching in Massachusetts to the Massachusetts Education Study prepared with the cooperation of the Advisory Committee on Foreign Languages.

Title III

If judged only on the basis of financial assistance to the local schools, this fiscal year must be considered highly successful since new highs in total authorized expenditures (\$783,000) and in maximum federal reimbursements (\$383,000) were recorded for the 220 modern foreign language projects. This was, no doubt, largely stimulated by the abandonment of the plan of basic allotments and the absence of a ceiling on maximum federal reimbursements from the time that project applications were invited. Such activity would not have been possible, however, if local money had not been available, much of it for the construction of new facilities.

Language laboratory projects in secondary schools continue to utilize the bulk of Title III Modern Foreign Language funds. An encouraging sign is the relatively high proportion of junior high school laboratories (17 out of 46). The importance of maximum practice at the early levels of language learning is being more widely recognized.

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In addition to the new installations, eleven laboratories were expanded to full class size or were improved by the addition of recording facilities. Practice is demonstrating the advantages of full recording equipment.

New construction should make possible superior laboratory and classroom facilities for foreign languages, if advantage is taken of consultant service. Unfortunately, there are still numerous cases in which construction is well advanced before application is made, not for assistance in planning, but for financial assistance. We are then faced with the problem of making the best of an unsatisfactory situation.

The Keating Report

This year witnessed the publication of a report of a poorly designed piece of research on the effectiveness of the language laboratory. The "Keating Report" was widely advertised, was warmly received by uncritical opponents of the laboratory, and created considerable uncertainty among the uncommitted. Analysis of the document revealed that this research study, conceived in an attempt to discredit a federal aid program, proved little except that the language laboratory, divorced from the kind of instruction for which it was intended, may sometimes be a detriment to conventional instruction.

The Office of Modern Foreign Languages distributed to all secondary schools an analysis of the Keating Report provided by the U.S. Office of Education, arranged and participated in a panel discussion on the Language Laboratory and Modern Foreign Language Instruction at the Annual Conference for Secondary School Principals at Framingham, and made frequent use of the report of the New York City research on this problem. The latter study, competently designed and carried out, offered evidence of significant differences in language learning in favor of students who had daily listening-recording-playback practice in a modern instructional program as compared with students in a conventional course.

School Visits

The large number of projects and increasing enrollments led to a correspondingly high number of school visits to advise on instructional programs, the selection of materials, and the installation of equipment. The two supervisors visited a total of 165 cities, towns, and regional school districts for classroom visitations, consultations, and planning sessions. In the case of larger school systems several visits were needed in order to cover all schools at all levels.

Workshop Program

Our instructional services to teachers were continued, improved, and expanded.

Four one-week workshops on the instructional and equipment phases of the language laboratory were conducted in Randolph, Millbury, and Easthampton in August 1963 and at West Bridgewater in June 1964. About 90 teachers attended and expressed a high level of satisfaction with both the instruction on the use of equipment and the development of a new point of view regarding language and language learning and teaching.

A new type of workshop, consisting of eight sessions based on the films of the Center for Applied Linguistics and the Capretz films, offered new material on applications of linguistic science and demonstrations of teaching French, Spanish, German, and Russian. These films have to a great extent solved the problem of providing demonstration classes at the beginning level of instruction and provide an excellent basis for the discussion of teaching techniques.

Approximately 250 teachers availed themselves of these workshops at eleven area centers: Hamilton, Northboro, Ludlow, Pittsfield, Southbridge, Hanover, Attleboro, Yarmouth, Orange, West Bridgewater and Wellesley. This program of 88 sessions in all parts of the State was a major activity of the two supervisors. They also held local workshops for teachers in Gardner, Haverhill, and Springfield, and several other communities.

Surveys

This year has marked the completion of five surveys:

1. Survey of Modern Foreign Language Teachers in Service
2. Study of Teacher Mobility and Sources of Teacher Supply
3. Survey of Modern Foreign Language Teacher Preparation Programs in Massachusetts Colleges and Universities
4. Course Offerings and Enrollments in Massachusetts Secondary Schools 1963
5. Course Offerings and Enrollments in Massachusetts Secondary Schools 1964



These surveys, along with others made during the past five years, now provide us with a broad base of information about teachers in preparation, teachers in service, and trends in enrollments. Although the data make possible something less than a complete picture, it is doubtful if comparable information is available for any other field at this time. We are, therefore, in a relatively favorable position to plan in-service training programs, to work with universities on programs of teacher preparation, to make recommendations regarding certification requirements, and in general, to act in the interest of strengthening this segment of the teaching profession.

Enrollments

Our most recent survey of course offerings and enrollments in Massachusetts secondary schools, covering the school year 1963-64 has already been completed. The statistics reveal significant increases in modern foreign language enrollments and a slight decrease in the enrollment in Latin.

When the latest totals are compared with those of 1958-59, we can identify some interesting facts and trends.

In grades 7 and 8 of junior high schools:

All modern foreign languages have quintupled in enrollments.

French and Spanish enrollments have quintupled.

German has gone from zero to 194 pupils enrolled.

Latin enrollments, which rose from 1958-59 to 1962-63, have now dropped below the 1958-59 level.

In grades 9-12 of junior and senior high schools during the same five year period:

All modern foreign languages have risen from 60,689 to 108,516, an increase of about 80 per cent.

French enrollments have increased almost 80 per cent, from 43,304 to 76,473.

The new high in Spanish (23,339) represents almost a doubling of the 1958-59 figure (11,974).

The increase in Russian represents a steady growth from 68 to 710.

Latin enrollments, which increased from 1958-59 to 1961-62 have decreased about 5 per cent from the peak of 1961-62. Latin, considered as a single language, however, continues second only to French.

In general, modern foreign language enrollments in secondary schools (grades 7-12) during the period 1958-59 to 1963-64 more than doubled (about 110 per cent gain) while the secondary school population was increasing at the rate of 30 per cent. In other words modern foreign language enrollments have increased about four times as fast as the secondary school population.

Equipment and Materials Center

An important gain was made in stocking our Equipment and Materials Center with a wide variety of the recently published textbooks and accompanying tapes. Publishers have been increasingly cooperative in supplying us with copies. Since the volume of new material is growing at a rapid rate, we find ourselves in need of adequate facilities for their storage and sufficient time for their examination and analysis.

The Center has remained at Newman Junior High School, Needham, but our tenancy there is uncertain. The location of the equipment and materials in a room next to this Office would not only save considerable travel time and inconvenience, but could also serve the teachers of Massachusetts. In addition, the space should be large enough to accommodate groups for lectures, demonstrations, and workshops.

GUIDANCE AND PLACEMENT

This year there have been emphases upon two matters of guidance significance (1) the stature of guidance services and (2) the nature and need for guidance at the elementary school level.

The Stature of Guidance Services

Steadily, during the past twenty and more years, guidance services have been developed within the framework of education but with a focus quite different from that of instruction or administration. Instruction has dealt primarily with materials of learning - courses, information, and curriculum - and with methods of imparting learning to groups. On the other hand, guidance services have been developed to aid individuals, as individuals, to cope not only with materials of instruction but with normal forces of human action and reaction. Administration has continued to merge these educational elements into an organized business-like continuum worthy of the name - education program.

Twenty years ago, during the initial stages of guidance services development, administrators and instructors generally disagreed with and rejected the guidance services concept and movement. Today, however, they in almost complete accord with the guidance movement and the needs for its various services. The reason for this change in attitude is quite obviously to be found in the favorable effects experienced by instructors and administrators who have had, in their education programs, the advantages of guidance services for individual pupils.

A distinctly new and separate focus, the individual in education, has thus developed at least in stature collateral with instruction and certainly as a singularly substantial element for merger by administration.

Guidance at the Elementary School Level

For approximately ten years, there has been reasonable query and experimentation concerning guidance services for elementary school pupils. In 1955, the Guidance and Placement Office published a report of its study of the status of elementary school guidance services in Massachusetts public schools. Since then, a rather definite program of elementary school guidance services has gradually emerged. The stimuli for this development were the general needs of elementary school pupils, the need for prevention of pupil problems and the continuing stress upon the special needs of potential delinquents, prospective drop-outs, the talented, the disadvantaged, the emotionally disturbed, under-achievers, and pupils with reading problems.

Although the present staff of the Office of Guidance and Placement is primarily engaged in National Defense Education Act secondary school guidance activities, elementary school pupils as described above, have deserved their critical attention. It has been found that many elementary school pupil problems might have been prevented, eased, or entirely eliminated by effective elementary school guidance services. Current pilot and exploratory programs have shown the way.

Last year the staff of the Office of Guidance and Placement studied the status of current elementary school guidance activities in Massachusetts public schools. This year, the staff went a step further and organized working committees which studied elementary school guidance needs and services to meet those needs. Finally, the Committee merged into a composite group and produced a set of proposals for the development of elementary school guidance services. Our proposals are now being tested at school and community levels. It is hoped that, in the coming school year, our proposals will have had constructive criticisms which will lead to the publication of a bulletin concerning Elementary School Guidance Proposals for Massachusetts Public Schools.

Even as we prepare for the development of elementary school guidance services, we are conscious of the fact that our Congress is considering a number of Bills which would extend Federal support to elementary school guidance services. For any eventuality, we are in a stage of readiness.

Local Personnel

The number of local guidance directors and counselors has increased this year by 65 (5+ per cent) to a new total of 1,183. This trend of change is impressive due to the fact that the 65 guidance counselors added were full-time personnel who were assigned approximately 2,000 additional weekly man-hours for the provision of guidance services. Without a doubt, this improvement would have been even greater if a supply of guidance counselors had been available to meet all local requests. This condition of supply and demand has persisted for several years. To meet the condition, the Office of Guidance and Placement and the Division of State Colleges have made some cooperative plans for the education and training of more guidance counselors.

State Personnel

The Senior Supervisor of the Office of Guidance and Placement was assigned, during one-half of this school year, as Acting Director for the Division of Elementary and Secondary Education. Therefore, the total State Office staff time available during this year was approximately three and one-half supervisors. This has necessitated an inordinate per-supervisor load of towns - one hundred per supervisor. In prospect, with the appointment of two additional supervisors and the return of the Senior Supervisor from his assignment as Acting Director, the load per supervisor for the coming year should be approximately sixty cities and towns. This ratio is more in keeping with the professionally recommended ratio of fifty to sixty schools. If, however, there should develop a concerted action toward elementary school guidance, then a staff emergency will develop.

Professional Activities of the Guidance Office Staff

During this year, as indicated, each supervisor has had responsibility for service to approximately one-hundred cities and towns. All Supervisors served an assigned number of schools for a one-year period only. They then take a new one-year assignment of schools in a succession of years until all of the supervisors have served the schools of all cities and towns in the State. This procedure has had favorable results in that (1) schools enjoy fresh and stimulating reviews from a number of supervisors and (2) the supervisors profit from serving and consulting with staffs operating a wide variety of guidance services.

Publications

Due to the lack of time of a reduced supervisory staff, only two newsletters were published this year. There has been extraordinary demand for the publications "Portals to Careers" and "Challenge to Parents," both of which were published in second editions.

New publications were not made available but several were developed and are in various stages of preparation for publication. Among the foregoing are (1) Gateway to Crafts (2) A Junior High School Guidance Program Handbook (3) A Guide to Career Education in Institutions of Junior College Grade (4) Elementary School Guidance Proposals (5) Guidance Service "How" bulletins and (6) Guidance Program Assessment Studies.

National Defense Education Act

Title V-A Activities

Under the State Plan for Title V-A of the National Defense Education Act, the supervisory staff of the Guidance and Placement Office has the responsibility for approval and reimbursement of public secondary school guidance, counseling, and testing programs of two kinds: (1) the per capita program and (2) the special amendment program. The staff also must approve and reimburse testing programs for private and parochial secondary schools as well as public secondary schools which are eligible for testing only.

For the development and improvement of guidance, counseling, and testing in 1963-1964, \$295,939.81 in Federal funds were expended as follows for:

| | |
|---|--------------|
| Private and parochial school testing | \$ 8,895.12 |
| Public secondary school testing only | 9,709.61 |
| Regular per capita programs of guidance,
counseling, and testing | 152,384.64 |
| Special amendment, guidance, counseling,
and testing programs | 124,950.44 |
| | \$295,939.81 |

It is interesting to note that the expenditure of \$295,939.81 in Federal funds for public secondary school guidance, counseling, and testing has helped stimulate cities, towns, and regions to spend locally a total of \$7,183,624.28. It should be observed that 108,722 pupils were tested under the State Plan for Title V-A of the N.D.E.A. These were pupils in schools which were eligible for testing only. Of these, 25,414 pupils were in 144 private and parochial schools; and 83,308 were pupils in 35 public secondary school systems.

It should be further observed that the National Defense Education Act made it possible for 238,575 pupils, located in 163 school systems, to have the benefit of services available through approved and reimbursed guidance, counseling, and testing programs.

Testing under the Massachusetts State Plan for Title V-A under the National Defense Education Act is limited to grades 8 and 10.

Work-Study Program Development

During the 1963 school year, the State Board of Education undertook, experimentally, a project of developing work-study programs in secondary schools. The Board, in cooperation with one of our universities, appointed, without stipend, a doctoral candidate to supervise work-study program development. His work was initiated at the beginning of the fiscal year, July 1, 1963 and he was assigned to the Guidance Office. Following is the report of the supervisor of the Work-Study Program.

Work-Study Program (1963-1964)

In May, 1963, the State Board of Education appointed Mr. John M. Cullinane, as a part-time, temporary, unpaid Supervisor of Work-Study Programs. The appointment was effective from July 1, 1963 to June 30, 1964. Mr. Cullinane, who had formerly established a work-study program for terminal high school students at Ipswich Massachusetts High School, was assigned to the Office of Guidance and Placement in the Division of Elementary and Secondary Education. His task was to supply leadership and consulting services to high schools which were interested in work-study programs. Cullinane was a doctoral candidate at Harvard University; this assignment was a cooperative effort of the University and the Department of Education.

Work-study programs are designed to extend curriculum offerings for terminal high school students. Local businessmen cooperate with the school to help young people to acquire the beginnings of a job skill and job wisdom. Work-study program students take two or three school subjects instead of the usual four or five. At the completion of the day in school they are released early to work for local cooperating employers with whom they receive three hours of daily on-the-job training. Such job training has been provided for greenhouse workers, building and grounds maintenance men, nursing aides, home appliance repairmen, auto mechanics, chefs, and seamstresses.

Early in the school year Commissioner Owen B. Kiernan sent to all superintendents of schools in the Commonwealth, a letter outlining the services which Cullinane was prepared to provide. Schools were invited to return a postal card to indicate their interest in work-study programs. Sixty-three schools did so.

The supervisor visited schools, conferred with principals, guidance personnel, and administrators and discussed work-study programs. He worked closely with those schools which were interested and helped them plan, implement, and develop a work-study program tailored to their own local situations.

The following schools had Work-Study programs in operation as of September, 1963:

| | | | |
|---------|-----------|-----------|-----------|
| Ipswich | Lexington | Quincy | Wellesley |
| Lenox | Melrose | Tewksbury | Worcester |

During 1963-1964, the following school systems voted to initiate a Work-Study program, to begin during 1963-1964, or in September, 1964:

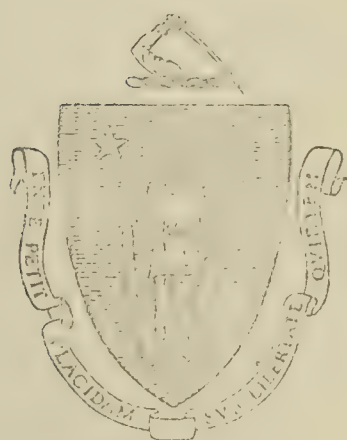
| | | | |
|---------|---------------|------------|------------|
| Ashland | North Easton | Somerville | Wilmington |
| Dracut | North Reading | Waltham | |

A number of other school systems which were interested have indicated their continuing concern with the school drop-out and with the unskilled high school graduate, and will probably adopt a program in the near future.

During 1963-1964, the supervisor of Work-Study programs made seventy-eight (78) visitations to forty-one (41) schools.

COMMONWEALTH OF MASSACHUSETTS

BOARD OF EDUCATIONAL ASSISTANCE



ANNUAL REPORT

June, 1964



COMMONWEALTH OF MASSACHUSETTS
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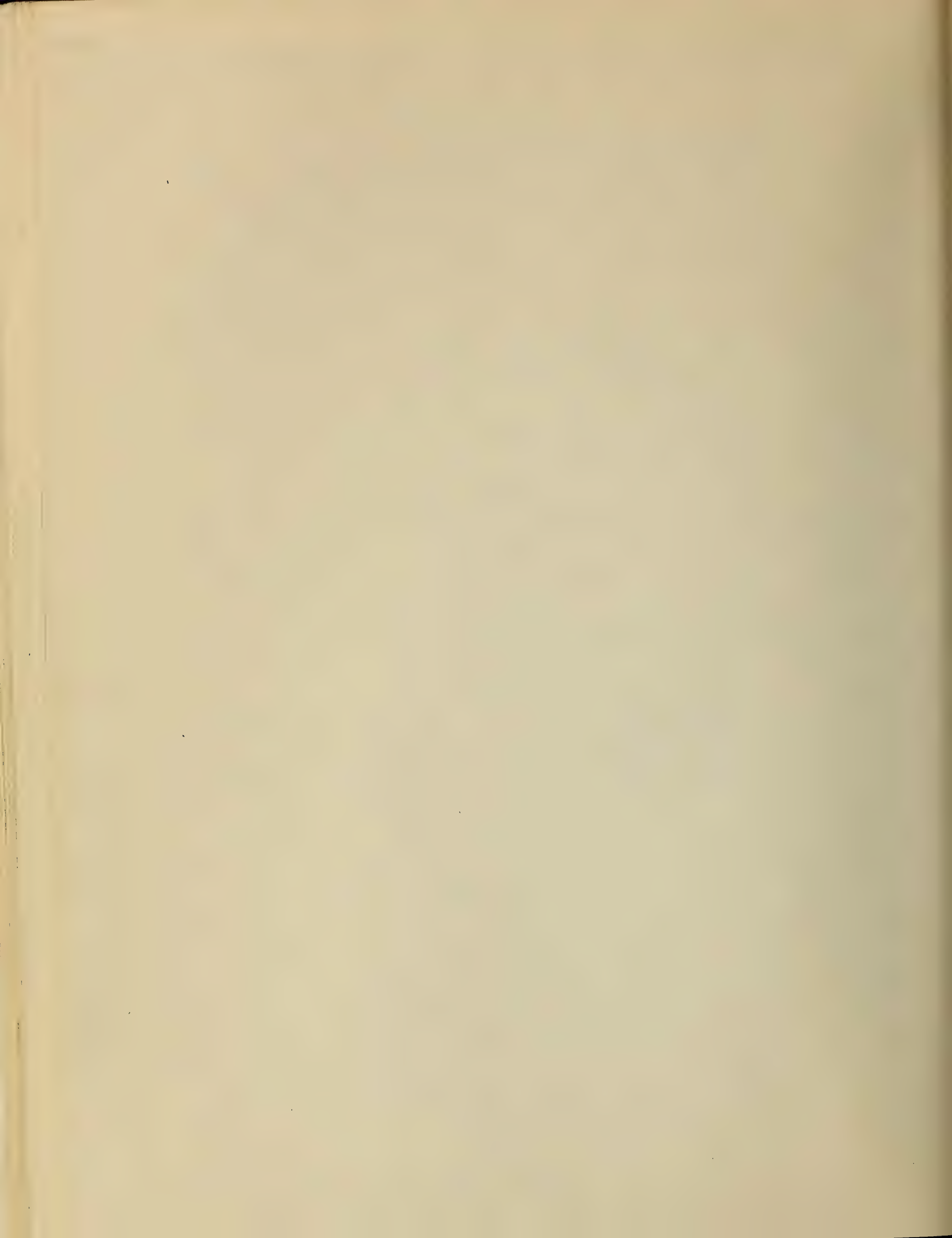
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THE COMMONWEALTH OF MASSACHUSETTS

BOARD OF EDUCATIONAL ASSISTANCE

200 Newbury Street
Boston, Massachusetts 02116

ANNUAL REPORT 1963-1964

Scope of the Scholarship Program

Under Chapter 690, Acts of 1957, the Board of Educational Assistance is authorized to grant scholarships to needy and academically worthy students who are domiciled in the Commonwealth of Massachusetts. The Act also provides that such students be enrolled in accredited institutions of higher education. The growth of this Program during the reporting period is indeed dramatic. The first grants made in 1958 provided 510 students with stipends averaging \$196 each. In the academic year 1962-63, 640 students received awards averaging \$234. A doubling of the appropriation to \$300,000 enabled the Board to award 1,030 grants which averaged \$291 during the reporting period. Another factor contributing to the increase of the award average in 1963 is the legislative elimination of the students enrolled at the University of Massachusetts from the jurisdiction of this Board. Due to this legislative change, more than 400 applications were returned to the University which could no longer be considered by the Board. Table I presents specific information regarding the growth of this Program.

Chapter 702, which was adopted by the Legislature late in 1963, authorizes the Board of Educational Assistance to grant scholarships not

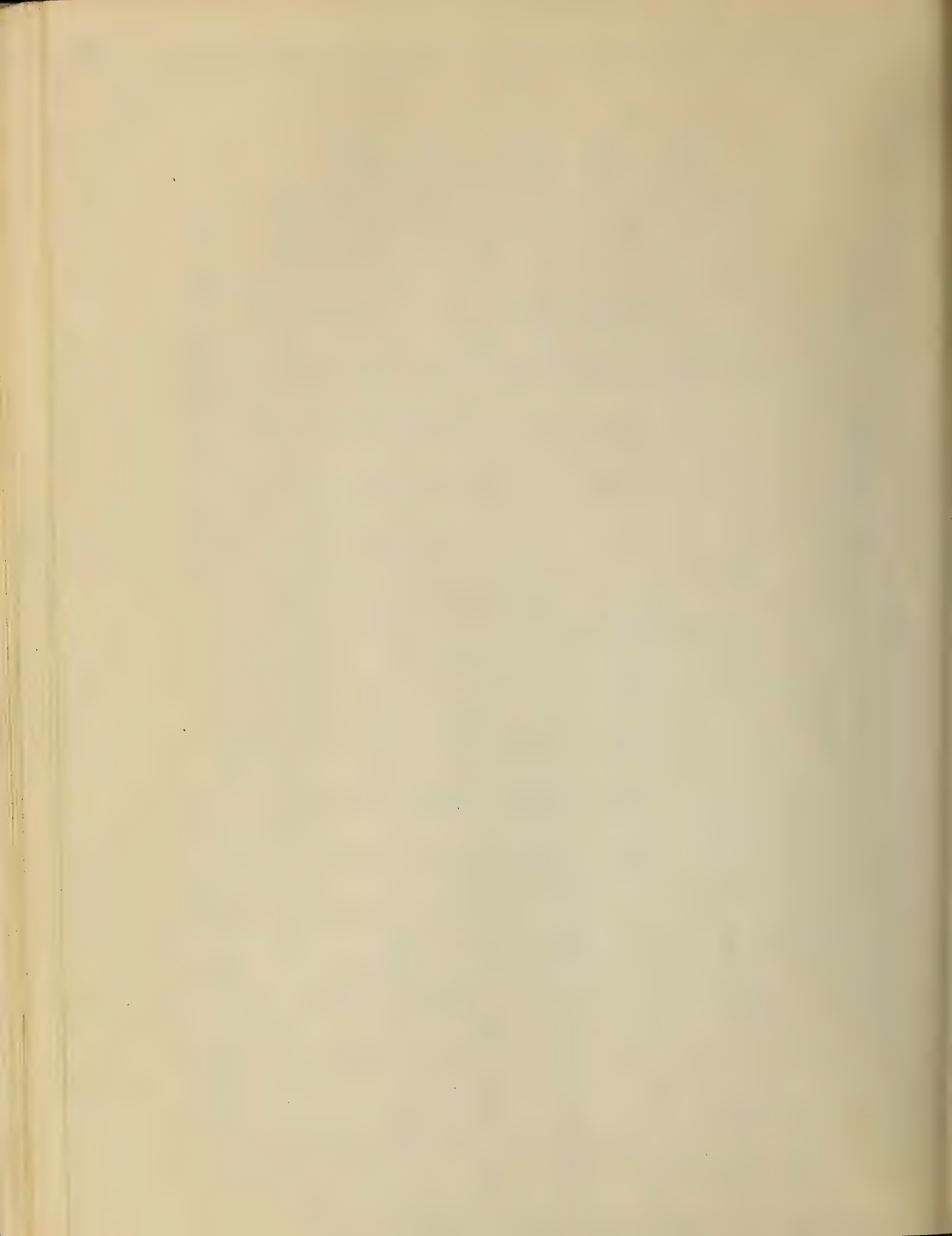
TABLE I

SUMMARY OF STATISTICS REGARDING AWARD RECIPIENTS
PERCENTAGE AND NUMERICAL TOTALS

| YEAR | TOTAL
APPL. | TOTAL
AWARDS | AWARD
AVER. | FAMILY INCOME | | | | NO. OF CHILDREN
(Dependents) | | | | | | | CLASSES | | | | RE-
APPL. |
|---------|----------------|-----------------|----------------|---------------|------------|------------|---------------|---------------------------------|------------|------------|------------|----------|------------|------------|------------|------------|------------|------------|--------------|
| | | | | 0-
4000 | 4-
5000 | 5-
6000 | 6000
8000+ | 1 | 2 | 3 | 4 | 5 | 6+ | Fr. | So. | Jr. | Sr. | | |
| 1960-61 | 2,050 | 545 | \$275 | 232
43% | 113
20% | 104
19% | 96
18% | 123
23% | 139
26% | 100
18% | 86
16% | 45
8% | 52
9% | 173
33% | 137
26% | 135
26% | 76
15% | 132
24% | |
| 1961-62 | 2,350 | 608 | \$246 | 241
40% | 113
19% | 115
19% | 139
22% | 124
20% | 141
23% | 141
23% | 80
13% | 51
8% | 71
13% | 224
37% | 131
22% | 145
24% | 108
17% | 209
34% | |
| 1962-63 | 2,700 | 644 | \$234 | 280
43% | 106
16% | 111
17% | 147
24% | 142
22% | 151
23% | 126
20% | 82
13% | 59
9% | 84
13% | 221
34% | 135
21% | 150
23% | 137
22% | 177
27% | |
| 1963-64 | 3,000 | 1,030 | \$291 | 337
33% | 159
15% | 193
19% | 341
33% | 328
30% | 246
22% | 198
18% | 134
12% | 99
8% | 115
10% | 364
35% | 215
21% | 219
21% | 214
23% | 333
32% | |

1. Percentages indicate the proportion of total number of awards per academic year.

2. Figures for the academic years 1958-1959 and 1959-1960 are not included as these were compiled on a different basis.



exceeding \$300 to undergraduate students who plan to teach mentally retarded children. Such students may attend any college except the State College at Fitchburg. An initial appropriation of \$3,750 was received in December 1963. Applications were immediately made available to the three Massachusetts colleges which offer a curriculum in special education. By the time the information regarding these awards reached these institutions, most of the students had completed their financial plans for the academic year. Therefore, only 11 applications were received. Of these, ten students were found to be worthy of a \$300 award.

Justification of Awards

Chapter 690 authorizes the granting of one quarter, one half or full scholarships. Because of the large number of applicants and the limited funds available, the Board restricted the use of the scholarships to tuition costs. The statute further provides that a minimum of 25 per cent and a maximum of 50 per cent of the awards be given to students who attend publicly supported institutions in Massachusetts. Table II indicates that 35 per cent of all awards granted in 1963-64 went to students enrolled in such institutions. The same table indicates that approximately one third of the families of the 1,030 recipients had a combined family income of \$4,000 or less. One third of the recipients' parents supported four or more children. The awards were equally divided among entering freshman, upperclassman who were not previously assisted by the Board, and students who had received assistance in previous years. The great majority of the students enrolled in the public institutions in Massachusetts received full tuition awards. Of the recipients who are enrolled in private institutions, 525 received one quarter tuition awards, 134 were given half tuition grants, and 1 student was granted a full tuition award. This is an obvious indication that choice of a particular institution

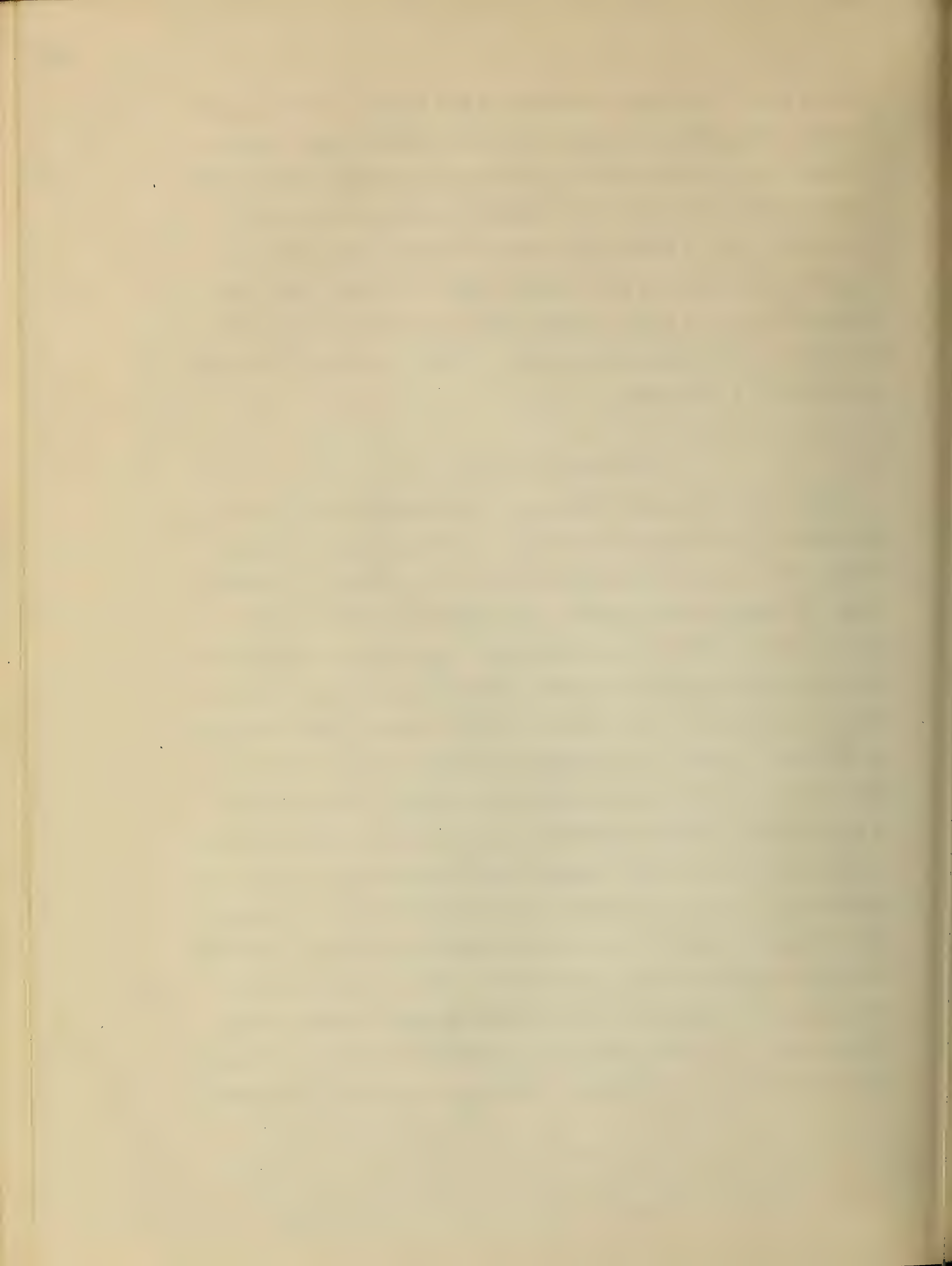


TABLE II

STATISTICS REGARDING AWARD RECIPIENTS

1963 - 1964

| Types
of
Institutions | Family Income | | | | No. of Children
(Dependents)
Including Recipients | | | | | | Age of
Recipients | | | | Sex of
Recip. | | Classes
1963-1964 | | | | Major
Subjects | | | | Re-applicants | No. of Awards |
|--------------------------------------|---------------|--------|--------|-------|---|-----|-----|-----|----|-----|----------------------|-------|-------|-----|------------------|-----|----------------------|-----|-----|-----|-------------------|------|-------|-------|---------------|---------------|
| | 0-4000 | 4-5000 | 5-6000 | 6000+ | 1 | 2 | 3 | 4 | 5 | 6+ | 17-19 | 20-23 | 24-30 | 30+ | M | F | Fr. | So. | Jr. | Sr. | Educ. | Sci. | Lang. | Misc. | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Public Institutions
in Mass. | 128 | 58 | 76 | 101 | 80 | 83 | 73 | 48 | 27 | 52 | 195 | 158 | 7 | 3 | 92 | 271 | 117 | 80 | 87 | 79 | 278 | 32 | 6 | 47 | 120 | 363 |
| Public Institutions
Out-of-State | 1 | | 1 | 5 | 2 | 2 | 3 | 2 | | | 5 | 2 | | | 3 | 4 | 4 | 1 | 1 | 1 | 2 | | | 5 | | 7 |
| Private Institutions
in Mass. | 180 | 88 | 99 | 207 | 129 | 145 | 104 | 74 | 67 | 55 | 328 | 235 | 11 | | 309 | 265 | 205 | 120 | 122 | 127 | 209 | 50 | 29 | 286 | 194 | 574 |
| Private Institutions
Out-of-State | 19 | 12 | 14 | 23 | 19 | 11 | 15 | 10 | 5 | 8 | 52 | 15 | 1 | | 39 | 29 | 38 | 14 | 9 | 7 | 20 | 8 | 3 | 37 | 13 | 68 |
| Graduate Schools
in Mass. | 6 | | 3 | 2 | 7 | 3 | 1 | | | | | 6 | 2 | 3 | 8 | 3 | | | | | 5 | | | 6 | 2 | 11 |
| Graduate Schools
Out-of-State | 3 | 1 | | 3 | 3 | 2 | 2 | | | | 6 | 6 | | 1 | 4 | 3 | | | | | 1 | 2 | 4 | | 4 | 7 |
| TOTALS | 337 | 159 | 193 | 341 | 238 | 246 | 198 | 134 | 99 | 115 | 580 | 422 | 21 | 7 | 455 | 575 | 364 | 215 | 219 | 214 | 515 | 90 | 40 | 385 | 333 | 103 |

not only is affected by the scholarship recipient's income, but also by the award which is granted him by this Board and by other sources. Under this award system, the student is favored who commutes to a public institution; it allows his entire tuition cost to be covered by a State scholarship. The same amount granted to a student attending a private college would, at best, cover one quarter of his tuition.

Scholarship Program Evaluation

With the experience of a number of years available, it was appropriate to review and evaluate this Program. It was of particular interest to determine the extent to which the objectives of this Program are being met, and to make whatever improvements where possible. A questionnaire was sent to officials of public and private colleges in Massachusetts to obtain their opinions regarding the effectiveness of this Program. Answers were received from 29 institutions at which more than 70 per cent of the scholarship recipients are enrolled. The reactions of these officials to the six questions are indicated on Table III. Some differences of opinions were expressed regarding Question No. 1. Officials at eight institutions felt that the Program does not induce students to acquire a college education who would otherwise not have considered going to college. These eight officials, when asked to substantiate their statements, indicated that their criticism was largely based on the fact that the recipients are not notified of their awards until late summer. Therefore, these officials feel the Program is not effective in its goal to induce students to attend college full time because their financial situation may appear to be hopeless. Another reason of lesser significance was the relatively small amount of the stipends which, at public institutions, do not consider the larger expense for room and board.

TABLE III

RESPONSES TO PROGRAM EVALUATION QUESTIONNAIRE

| | <u>YES</u> | <u>NO</u> | <u>UNDECIDED</u> |
|--|------------|-----------|------------------|
| 1. Does the Program attract students to obtain a college education who would not have gone to college full time? | 19 | 8 | 2 |
| 2. Does the Program afford the student a better choice of education and of the institution he would attend? | 21 | 7 | 1 |
| 3. Does the Program permit the student to devote more time to his studies reducing his financial anxieties? | 27 | 2 | -- |
| 4. Does the Program encourage students to achieve high academic standards? | 23 | 3 | 3 |
| 5. Does the Program enable the institution to provide financial aid to students who would otherwise have received no assistance? | 25 | 3 | 1 |
| 6. Should any particular group of your students receive priority consideration for scholarships?
(freshman, science major, pre-med, etc.) | 9* | 19 | 1 |

* Of the nine officials who favored giving preferential consideration to certain students, seven officials favored freshman and two favored upperclassman.

Considerable unanimity was expressed by college officials regarding the other questions. Seven of the 29 reporting officials felt that college freshman should receive priority consideration for scholarships; two officials suggested that such priority consideration be given to upper-classmen. From these opinions, it may be assumed that the Scholarship Program is achieving its aims, but that some administrative changes may be in order. These would particularly concern budgetary procedures.

Special Education Scholarships

In the fall of 1963, the Legislature voted scholarships for students planning to become teachers of mentally retarded children. Chapter 702 authorized the Board of Educational Assistance to grant such awards which shall not exceed \$300. An appropriation of \$3,750 was received in December to be granted for the second semester of the current academic year. In view of the late date of the award announcement, only eleven applications were received. Of these, ten applicants were granted awards of \$300 each. Information received from the Directors of Financial Aid at Boston College, Boston University and Lesley College indicates that the interest in these awards for the coming academic year will be considerably greater. Students attending these institutions had made the necessary financial arrangements for the current academic year by the time the availability of these awards was announced.

Administrative Activities

In view of the ever-increasing scope of this Scholarship Program and the anticipated increase in applications and disbursements, it was necessary for the Board to create a policy sub-committee. The purpose of this committee

is to analyze the Board's activities, and to make recommendations regarding ways of increasing the effectiveness of the Program. The recommendations of the committee centered around the standardization and simplification of the screening process. Changes were initiated and will considerably affect the screening of the applications for 1964-65. Recommendations concerning policy matters require more study and discussion.

As in previous years, the Board of Educational Assistance selected from scholarship applicants, names of candidates for the Eastern States Exposition scholarship. These names were submitted to the Governor's Office. The name of Mr. Joseph P. Callahan, Mattapan, a student at Northeastern University, was selected as the award recipient.

On numerous occasions the members of this Board addressed groups of students and explained the State Scholarship Program to members of civic and community organizations. In addition, this marked the first year that a television program invited the appearance of a Board official on a network program.

Conclusions and Recommendations

The relationship between the number of scholarship applicants and the number of recipients (Table I) is the best indication of the importance and the need for this scholarship assistance. Of equal importance is the ability of the Commonwealth to provide local business and industry with well-educated employees. By doing so, Massachusetts is in the position of attracting new businesses and creating additional employment opportunities. While the results of the Scholarship Program are encouraging, there is a clear need for enlarging the scholarship opportunities. During the reporting period, approximately $3/4$ of the 1 per cent of the total high school seniors were able to obtain financial assistance from this Board. However, it is anticipated that the number of graduating high school students in June 1964 will be 25 per cent greater than it was in 1963. A larger percentage of these students, than ever before, will continue their education. The College Entrance Examination Board predicted that college admission applications will increase nationally nearly 50 per cent from 1962 to 1964. Table IV indicates the projected figures for high school graduates by 1973. Table V indicates the projected college enrollment figures by 1972. The increasing tuition costs together with the rapidly rising number of award applicants will require a substantially increased appropriation if the award average of \$291 per student is to be maintained. In view of these prospects, the Board recommends that the appropriation be increased to \$500,000 for the next academic year. Ultimately, it is hoped that this Board will be able to assist 5 per cent of the graduating high school seniors, and that the award average will be raised to a more significant level.

In view of the continuously-increasing work load and the need for

TABLE IV

PROJECTIONS OF GRADUATES FROM MASSACHUSETTS HIGH SCHOOLS

PUBLIC AND PRIVATE

| | <u>Public</u> | <u>Private</u> | | <u>Total</u> |
|------|---------------|----------------|-------------|--------------|
| 1962 | 42,537 | 11,572 | (Actual) | 54,109 |
| 1963 | 42,787 | 11,500 | " | 54,287 |
| 1964 | 54,419 | 14,000 | (Projected) | 68,419 |
| 1965 | 61,596 | 14,750 | " | 76,346 |
| 1966 | 57,200 | 15,500 | " | 72,700 |
| 1967 | 56,234 | 16,000 | " | 71,234 |
| 1968 | 54,416 | 15,700 | " | 70,116 |
| 1969 | 57,245 | 16,700 | " | 73,945 |
| 1970 | 60,245 | 17,700 | " | 78,145 |
| 1971 | 61,498 | 18,000 | " | 79,498 |
| 1972 | 65,023 | 19,000 | " | 84,023 |
| 1973 | 66,726 | 19,750 | " | 86,575 |

TABLE V

TOTAL ENROLLMENT IN MASSACHUSETTS COLLEGES

1962 - 1967 - 1972

| | | <u>Undergraduates</u> | <u>Graduates</u> | <u>Total</u> |
|------|-----------|-----------------------|------------------|--------------|
| 1962 | Actual | 98,032 | 18,713 | 116,745 |
| 1967 | Projected | 126,000 | 24,600 | 150,600 |
| 1972 | " | 143,900 | 34,900 | 178,800 |

Source: New England Board of Higher Education
 Quarterly Newsletter, Winter and Spring, 1963

more efficiency in the administration of the scholarship program, the Board recommends that its activities be separated from those of the Medical, Dental and Nursing Scholarship Board. For the present staff of one Executive Secretary and one Senior Bookkeeper, it is virtually impossible to administer both scholarship programs efficiently. Since the creation of the scholarship programs in 1957, the appropriations for this purpose and the work load involved have more than doubled. As there has been no change in the staff, it is impossible to render prompt and efficient service to the citizens of the Commonwealth. In particular, it is recommended that expenditures be authorized to allow the hiring of temporary help during peak operating periods.

As is shown in the Scholarship Program Evaluation, a large number of college officials have criticized the fact that award recipients are not notified until the end of the summer. This creates a hardship on the award winners as well as on the institutions they plan to attend. The students are unable to complete their financial planning, thus delaying the notification of the institution of their choice. These institutions may be required to commit funds to these recipients which in actuality could have been assigned to other students. To alleviate this situation, the Board recommends that the Legislature discuss the Board's budgetary recommendations separate from the general budget.

Because of the short period of time available for the preparations to grant the Special Education Scholarships, the inception of this Program was not very auspicious. The lack of interest was largely due to the fact that the majority of the students had completed their financial plans by the time the new scholarship program was announced. But there should be no doubt as

to the need for this program. There are currently more than 12,000 children enrolled in special classes for mentally retarded. There are many more children who could be given adequate training in such classes if the necessary number of specially trained teachers were available. In the last few years, great strides were made in the field of mental retardation and particularly in the educating of such children. With the advance of this science, the appropriate training of teachers in this field has become of great importance. Therefore, it is believed that this Program will induce more and more students to become teachers of the mentally retarded. In view of these prospects, the Board recommends that the appropriation for Special Education Scholarships be increased to \$21,000 for the next academic year.

Through the Board of Educational Assistance and its programs, the Commonwealth is making an investment in its youth which promises substantial rewards in the economic, cultural and social development of this State. But the need for financial assistance to, and the number of students in need of it increases continuously. Therefore, it is of the utmost importance that larger amounts be appropriated for this purpose. Only by doing so can the growth of the Commonwealth be assured.

A N N U A L R E P O R T

ADVISORY BOARD OF HIGHER EDUCATION POLICY

Year ending December, 1964

The need for decisive action to cope with the rapid and significant changes taking place in public education in Massachusetts is highlighted by the 23% increase in regular day students enrolled in September, 1964, in our 22 public institutions of higher education - a gain of 5,600 over the Fall of 1963. Within one year, additional places must be provided for a further increase of nearly 6,000, bringing the total of day students, excluding the several thousand in evening and summer sessions, and not counting the enrollment at the planned Boston area campus of the University of Massachusetts, to more than 36,000 in September of 1965. Revised projections by the several institutions indicate that by 1973 the total enrollment will exceed 100,000.

When we measure educational needs and changes, we are often obliged to think in terms of numbers. Yet in this critical period of educational ferment we are aware of the constant obligation to assure quality, to avoid the attrition of excellence that can occur if attention is focused exclusively on providing sufficient numbers of places in our institutions of higher learning. To provide education of the highest quality to the largest numbers of students - to balance quality and quantity - is a challenge of the first order.

An indispensable step in meeting this challenge is the appropriation of operating funds for our public institutions of higher learning. They are as follows:

1. the 10 State Colleges and Maritime Academy
2. Southeastern Mass. Technological Institute
3. Lowell Technological Institute
4. the University of Massachusetts
5. the eight 2-year Community Colleges

The primary mandate of the Advisory Board of Higher Education Policy under Chapter 429 of the Acts of 1962 is to review the programs of public higher education and to make recommendations for the appropriation of State funds therefor. The Advisory Board's Third Annual Report, submitted to His Excellency the Governor in December, 1964, spells out these recommendations, provides supporting data and makes further proposals on related issues. The present report is a summary of this 70-page document.

BUDGET RECOMMENDATIONS

The Advisory Board's primary recommendation for Fiscal 1966 is for 41.7 million dollars as a basic minimum operating expenditure to provide instruc-

tional costs of increased enrollments and sufficient funds for salary increases. This amount will not provide for new or improved services and programs nor will it permit the institutions to make up past deficiencies. (This recommendation does not include funds for the University of Massachusetts - Boston, which will be requested in a separate budget.)

In addition to the basic subsistence minimum, the Board recommends provision for expanded programs and special needs, and identifies the following priorities:

State Colleges

- Additional professional administrative personnel
- Expanded and improved library facilities and instructional materials
- Year-round operation at Boston State College (See next section)

Southeastern Massachusetts Technological Institute

- Strengthening of staff during period of transition, consolidation, and growth

Lowell Technological Institute

- Supplementation of administrative staff
- Additional supportive personnel, especially laboratory technicians

University of Massachusetts

- Expanded library program
- Fellowship program and faculty research fund
- Expanded program of continuing education

Community Colleges

- Improvement in student-faculty ratio
- Larger allocation for library books
- Additions of administrative and auxiliary personnel to the Board office staff
- Two-year nurses training programs at Massachusetts Bay, Quinsigamond, and Greenfield

THE BOSTON STATE COLLEGE TRIMESTER PLAN

The most insistent problem in higher education today is "the necessity to reduce the time spent in preparation for careers," according to President Grayson Kirk of Columbia University. The Trimester plan, which we strongly recommended in our Annual Report last year, not only will encourage students to complete their undergraduate studies in three years, but will ease the shortage of qualified teachers by making available the services of faculty for a larger percentage of the calendar year, and will reduce expenditures for new construction.

The Board has given careful consideration to the Boston State trimester program, and endorses it fully as a plan that will allow for a substantial increase in students, as well as providing guide lines for our other institutions to follow in developing ways to maximize the use of their facilities.

OTHER SPECIAL PROGRAMS FOR INCREASING UTILIZATION

Evening and summer courses provided by our institutions constitute not only a considerable benefit to the community, but a significant way of increasing utilization. 9,000 persons were enrolled in the Fall of 1963 in continuing studies in our public institutions, and 13,000 were enrolled in the Fall of 1964. Many of the programs provide advanced training for teachers, and refresher courses for a wide variety of professionals and technicians.

Two experimental summer programs were inaugurated as a means of admitting more students. One program, the 12-week so-called "swing shift" at the University, provided places for 180 students who will join the freshman class on a regular basis the second term.

ADMISSIONS

Applications for places in our 22 public institutions have increased enormously over the past three years - from 26,700 for the Fall term in 1962, to 47,300 for September, 1964. Many of these, of course, represented multiple applications. The increase in the number of qualified students has also been rapid.

The Advisory Board recommends comprehensive study of all phases of the admissions process, from applications to enrollments.

A data bank for applications and admissions information should be established as a basis for determination of the disposition of "rejects" at each admissions period, as a reservoir of basic data for ongoing research, and for the determination of admissions standards and procedures.

We further recommend:

1. Close coordination between the admissions process in our public institutions of higher learning and the guidance and counselling programs in the secondary schools.
2. Provision of more adequate counselling and guidance in our institutions of higher education.
3. Research in depth on college drop-outs, a problem closely related to the admissions process.

The net loss from term to term is one of several indices of the drop-out rate. As a matter of course, we expect to see a drop in enrollment from Fall to Spring terms. In February, 1963, the total net loss for all public institutions was 5.6%, and in February, 1964, it was 5.7% of the previous Fall's enrollment. The Advisory Board calls attention to the increasing proportion of freshmen represented in the net loss figures - in February, 1963, 48%, and in February, 1964, 75%.

We strongly recommend comprehensive research on the incidence of drop-outs, and factors of motivation and aptitude as they relate to the attrition rate.

STAFFING NEEDS AND FACULTY WORKLOAD

A pilot demonstration of a new method of determining staffing needs and faculty work load has been completed at four institutions of differing types. An analysis of the formula will be presented to the House and Senate Committees on Ways and Means with recommendations as to its adoption and application.

CAPITAL OUTLAY

The Advisory Board's recommendations for Capital Outlay appropriations are submitted annually in a separate report. Last Spring, the Board's total recommendation of \$27 million for Fiscal 1965 was composed of the following totals for the segments of the public higher education family:

| | |
|-------------------------------------|--------------|
| State Colleges (+ Maritime Academy) | \$11,819,000 |
| L.T.I. | 4,000,000 |
| U. of Mass. | 8,998,000 |
| Community Colleges | 2,160,000 |

A separate report containing the Advisory Board's recommendations on the Capital Outlay program for Fiscal 1966 will be forthcoming in due course. It will contain: a) recommendations for upward revision of the Advisory Board's proposal, made a year ago, for a 250 million dollar Capital Outlay program for public higher education over a rolling ten-year period; b) specifics for the Fiscal 1966 Capital Outlay program for public higher education.

LONG-RANGE PLANNING AND COORDINATION

In Massachusetts the enrollments of undergraduate and graduate students in regular courses in public institutions of higher education have grown from 9,000 in 1951 to more than 30,000 in the Fall of 1964. We anticipate nearly 36,000 in the Fall of 1965, not including the students at the U. Mass. - Boston. By the Fall of 1973, the total enrollment will exceed 100,000, inclusive of U. Mass. - Boston, according to newly revised though still provisional enrollment projections made by the institutions.

During these decisive years, the Commonwealth will be building not only more and more facilities for higher education, but building programs, building staffs, building academic excellence in all fields. The Advisory Board recommends that in these critical years the institutions should not develop their plans in isolation, and proposes a program for delineation and differentiation of function, for long-range planning and coordination. Exclusively unilateral planning and action in public higher education should no longer be the norm. The full report spells out guidelines for cooperation and coordinated development, within which institutional autonomy and initiative can still provide the dynamic force for continued growth.

* * * * *

ADVISORY BOARD OF HIGHER EDUCATION POLICY

Members Appointed by His Excellency the Governor:

William H. Bixby, former Budget Commissioner of the Commonwealth, Waban.
 Samuel L. Lowe, Jr., Businessman, Newton.
 Frank W. Crimp, Architect, Milton.
 Mrs. Bruce B. Benson, President of the League of Women Voters of
 Massachusetts, Amherst.
 Eliot K. Cohen, Lawyer, Newton.

Members Ex Officiis:

John W. Lederle, President, University of Massachusetts.
 Martin J. Lydon, President, Lowell Technological Institute.
 Joseph M. Souza, Chairman of the Board of Trustees, Southeastern
 Massachusetts Technological Institute.
 John Gillespie, Director of the Division of State Colleges.
 Kermit C. Morrissey, Chairman of the Board of Regional Community Colleges.
 Owen B. Kiernan, Commissioner of Education, Chairman.

Research Director:

Richard V. McCann.

ANNUAL REPORT

Division of Special Education

Year Ending June 30, 1964

EDUCATION OF MENTALLY RETARDED CHILDREN

This year marks the tenth anniversary of the passage of Chapter 514 of the Acts of 1954 which established the Division of Special Education. In that year, parents and educators gathered at the Gardiner Auditorium at the State House and met with members of the Legislature to discuss the needs of handicapped children. As a consequence, the General Court and the Governor passed and signed, respectively, legislation that was hailed universally as a giant step forward in the education and training of the less fortunate of our children.

These ten years, rich with dreams and their fulfillment, have seen, in ever increasing numbers, new classes started, both for educable retarded children and trainable retarded children. Nearly a hundred recreation programs have been launched, both summer and year-round. The appointment of a Supervisor of Guidance, Placement and Follow-Up for our older boys and girls has now become a reality which will lead to great advances during the next ten years.

On May 15, 1964, the Division held its Tenth Annual Conference at the Dorothy Quincy Suite, 180 Berkeley Street, Boston. The theme of the Conference was "They Shall Not Want," the subject of an address by Dr. Philip G. Cashman, Director of the Division. After the invocation by Reverend J. David Welsh of the Catholic Guild for the Deaf, and a greeting by Dr. Thomas J. Curtin, Deputy Commissioner of Education, a presentation of an award to Miss Florence L. Richmond of the Chelsea Public Schools as "Teacher of the Year for Partially Sighted Children" took place. The presentation was made by Edwin B. Dunphy, M.D., a member of the Board of Directors of the National Society for the Prevention of Blindness. This was followed by an informative address, "Educational Approaches to Learning Disabilities of Emotionally Disturbed Children," by Dr. Katherine Cotter, Coordinator of Special Education Programs at Boston College.

A stimulating panel discussion, "Resource Programs for the Blind," was presented by Miss Marjorie Frye, Supervisor of Blind and Partially-Seeing Children, Division of Special Education;

Miss Lynn Fraleigh, Resource Teacher, Medford Public Schools; Miss Clara Fuschetti, Elementary Teacher, Medford Public Schools, and Mr. Frederic Silver, Mobility Director, Saint Paul's Center for the Blind.

Speaking for the Honorable Edward W. Brooke, Attorney General of the Commonwealth, Attorney David Turner of the Attorney General's Office, discussed, "Our Legal and Moral Responsibilities for the Education of Handicapped Children."

Chairman of the morning session was Miss Marianne C. McKeon, Supervisor of Deaf Children for the Division.

At the luncheon meeting, chaired by Mr. William J. O'Brien, Supervisor of Mentally Retarded Children, Dr. Franklin P. Hawkes, Director, Division of University Extension, gave the invocation. The luncheon address, an eloquent account of the heartfelt interest members of the Massachusetts General Court have for handicapped children, and a moving narrative of the history of Special Education in the Commonwealth, was delivered by the Honorable John E. Powers, President of the Massachusetts Senate.

The continued expansion of programs for the education and training of children retarded in mental development is indicated by the following figures:

| | | | | | | | | | | |
|-----------------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| | 1954 | 1955 | 1956 | 1957 | 1958 | 1959 | 1960 | 1961 | 1962 | 1963 |
| | <u>1955</u> | <u>1956</u> | <u>1957</u> | <u>1958</u> | <u>1959</u> | <u>1960</u> | <u>1961</u> | <u>1962</u> | <u>1963</u> | <u>1964</u> |
| Number of
<u>Spec. Classes</u> | 515 | 590 | 635 | 675 | 719 | 756 | 773 | 809 | 842 | 888 |

| | | | | | | | | | | |
|---------------------------------------|------|------|------|------|-------|-------|-------|-------|-------|-------|
| Enrollment in
<u>Spec. Classes</u> | 6670 | 8393 | 8804 | 9716 | 10002 | 10766 | 11112 | 11327 | 11768 | 12053 |
|---------------------------------------|------|------|------|------|-------|-------|-------|-------|-------|-------|

Total
1954--1964
Increases

| | |
|-----------------------------------|-----|
| Number of
<u>Spec. Classes</u> | 373 |
|-----------------------------------|-----|

| | |
|---------------------------------------|------|
| Enrollment in
<u>Spec. Classes</u> | 5383 |
|---------------------------------------|------|

ANNUAL REPORT

Division of Special Education

Year Ending June 30, 1964

EDUCATION OF DEAF CHILDREN

The past year has been a very constructive one in the operation of the schools for the deaf. The pupil enrollment in each school for the deaf has been at capacity. The educational staffs are for the first time adequately equipped with trained teachers of the deaf. This is due to the Federal legislation, Public Law 87-276, which awarded scholarships for training teachers of the deaf, and has increased both the number and quality of candidates for admission to such teacher training classes; a distinctly hopeful sign for the future.

The Director of the Division of Special Education was the main speaker at the dedication of the new Helen Wales Building at the Beverly School for the Deaf. This was a much needed facility and has enhanced the physical appearance of the school.

The Boston School for the Deaf in Randolph completed a new modern building and dedicated it "The Dr. Philip G. Cashman Gymnasium". An annual award for Physical Fitness, the Dr. Philip G. Cashman trophy, will be presented each year.

A new double session program has been initiated to accomodate the increasing number of pre-school deaf children. Children four years old, within commuting distance are accepted on a day basis. The students five years old are resident pupils.

The Horace Mann School for the Deaf in Roxbury has, as a result of conferences of the Director of the Division and Supervisor of the deaf with Boston School Department administrators made remarkable progress this year. There has been an upgrading of facilities and staff, new bulletin boards in the lunchroom, new drapes in the office, markings for faculty cars in the yard, new desks and chairs in the typing room, new equipment in the Kindergarten, new furniture in the infirmary, new hard top on the playground, nursery playground, and new portable equipment. The library has been enriched with catalogued material, low level interest reading books, a new soundproof testing booth and two way windows. A full time librarian is now employed.

Perhaps the most outstanding feature in addition to the physical improvements is the establishing of an Aphasic Class under a certified trained teacher in that school.

Principals and Superintendents of the Schools and Day Classes for the Deaf met three times throughout the year at the Department of Education, 200 Newbury Street, Boston.

One of the items under study is the extension of a High School program at the Boston School for the Deaf. Plans are under way for such a program in the Fall of 1965. It is now anticipated that the State Department of Education and the Executive Committee of the Blue Hills Regional Vocational School being built in Canton will provide extended education. If this program eventuates, it is planned that the Vocational Director at the Boston School for the Deaf will be with the boys at the Blue Hill Program to assist in a smooth transition from school for the deaf to regular school.

For the girls at the Boston School, a data processing program is being considered. Data processing machines and other processing instruments have been investigated.

The new rules and regulations for speech and hearing handicapped have made it possible this year to provide special services to deaf children entering hearing high schools. These children receive supplementary instruction in language and concept building.

The Supervisor of the Deaf was a speaker at the 42nd Annual Council of Exceptional Children Convention in Chicago, Illinois - March 31st - April 4, 1964. The title of her paper was "Communication Disorders". She became President-Elect of the newly formed Division of Communication Disorders, approved by the National Board of Governors of the C.E.C.

The Supervisor of the Deaf was voted an associate member of the Conference of Executives of American Schools for the Deaf and spoke at the Conference in Riverside, California, April 12 - 17th. In addition, she was honored at Recognition Day at Framingham State College for contributions to Special Education.

Recruiting college Seniors by orientation to the education of the deaf was carried out by the Supervisor of the Deaf at the State College at Fitchburg and Boston University.

The Supervisor of the Deaf was appointed and served on an Ad Hoc Committee of United Community Services Rehabilitation Council.

Supervisory visits were made to all schools and classes for the deaf within and without the Commonwealth in which Massachusetts children are enrolled. In addition addresses were made to the Massachusetts Parents of the Deaf Association, at the Third Hearing Institute at Randolph, and on a Special Education Panel in Andover with Dr. Cashman, Moderator and other Supervisory Staff Members.

The Supervisor of the Deaf was chairman of the Tenth Anniversary Conference of the Division of Special Education held May 15, 1964. It was an outstanding conference, concerned with the theme: "THEY SHALL NOT WANT".

ANNUAL REPORT

Division of Special Education

Year Ending June 30, 1964

EDUCATION OF BLIND CHILDREN

During the school year 1963-1964, one hundred and ninety-three blind children from Massachusetts were enrolled at the Perkins School for the Blind in Watertown, Massachusetts. One Massachusetts pupil attended the Oak Hill School of the Connecticut Institute for the Blind in Hartford, Connecticut.

Seventy-two blind children (braille students) were enrolled in public school programs with sighted children. Resource programs for blind children were conducted in public schools in Boston, Braintree, Malden, and Medford. In several cities and towns, blind pupils were enrolled in regular public school classes with braille instruction provided.

A highlight of the school year for five blind pupils in Braintree was a trip during April vacation to Washington D.C., under the able planning and guidance of the resource teacher, Mrs. Wilberta Pittman. The children enjoyed a memorable tour, including a meeting with President Johnson and a visit to the grave of President Kennedy.

Through the Division of Special Education, sensory and mobility training by peripatologists from the Catholic Guild for the Blind was provided for blind pupils in Braintree, Malden, Medford, Springfield, Chicopee, Paxton, Wellesley, Longmeadow, and Arlington.

On May 15, 1964, at the Tenth Anniversary Conference of the Division of Special Education, resource programs for blind children in public schools received special focus through a panel presentation moderated by the Supervisor of Blind and Partially-Seeing Children. Panel members included Miss Lynn Fraleigh, Resource Teacher, Medford Public Schools, Miss Clara Fuschetti, Elementary Teacher, Medford Public Schools, and Mr. Frederic Silver, Mobility Director, Saint Paul's Rehabilitation Center for the Blind.

The Supervisor of Blind and Partially-Seeing Children attended appropriate meetings with members of the Massachusetts Education Study Commission in cooperation with a study on services and future needs in special education.

In January, 1964, a Senior Library Assistant joined the staff of the Division of Special Education. His duties include the acquisition, maintenance, and distribution of braille and large type books. A new and complete inventory is being taken, and a more extensive library system is being organized.

THE
HISTORY OF THE
CITY OF
BOSTON
FROM
1630 TO 1800

The history of the city of Boston from 1630 to 1800 is a story of growth and change. It begins with the arrival of the Puritans in 1630, who sought a place where they could practice their religion freely. They found it in Boston, and the city grew rapidly. By 1680, Boston was one of the largest and most important cities in the colonies. It was a center of trade and commerce, and a place where new ideas were being born. The city's growth was fueled by its location on the coast, which made it easy to trade with Europe and the West Indies. It was also a place where people from all over the world came to live and work. The city's diversity was one of its strengths, and it helped to make Boston a powerful and influential city. In 1773, the city was the site of the Boston Tea Party, a protest against British taxation. This event led to the American Revolution, and Boston became a symbol of the struggle for independence. The city's role in the Revolution was crucial, and it helped to shape the course of American history. After the Revolution, Boston continued to grow and change. It became a center of industry and commerce, and a place where new ideas were still being born. The city's growth was fueled by its location on the coast, which made it easy to trade with Europe and the West Indies. It was also a place where people from all over the world came to live and work. The city's diversity was one of its strengths, and it helped to make Boston a powerful and influential city. In 1800, Boston was a city of over 10,000 people, and it was one of the most important cities in the United States. It was a city of growth and change, and it was a city that had shaped the course of American history.

On June 15, 1964, "an act providing for the establishment in the Division of Special Education of a Library Center for Visually Handicapped Children", to become effective on September 15, 1964, was approved by Governor Peabody.

Also approved by the Governor, on June 10, 1964, was "an act authorizing the Department of Education to provide for the care and education of children who are both mentally retarded and blind", to become effective on September 10, 1964.

In conjunction with the need for more educational facilities for mentally retarded blind children, Perkins School for the Blind made plans to expand its program for certain "slow learners" in September. The Supervisor of Blind and Partially-Seeing Children met with Perkins School authorities in this regard.

In June, 1964, at the Conference of the American Association of Instructors of the Blind, the Supervisor of Blind and Partially-Seeing Children was named a member of the Board of Trustees of the International Journal for the Education of the Blind.

ANNUAL REPORT

Division of Special Education

Year Ending June 30, 1964

EDUCATION OF PARTIALLY-SEEING CHILDREN

During the school year 1963-1964, there were 32 classes for partially seeing children in 20 cities and towns in Massachusetts, with 355 children enrolled. These programs have followed the trend towards increasing integration with regular classes and, for the most part, have been cooperative type arrangements.

A second itinerant program serving the North Shore towns of Lynn, Saugus, Wakefield, Peabody and Reading is now operating. These five communities share the services of a special teacher who provides materials and instruction appropriate for partially seeing children. In this program the partially seeing child has the social advantages of attending his neighborhood school, and the academic advantages of the services of a special teacher.

A cooperative type Junior High School class was reactivated in Quincy for pupils of this area who formerly attended Sight Saving Classes in Boston.

The number of partially-seeing children enrolled in regular classes with the use of large print books loaned by the Division of Special Education is now 265. Several of these children benefited from supplementary instruction periods, with half the cost of such instruction reimbursed by the state.

At the Tenth Annual Conference on Special Education conducted by the Division of Special Education, Miss Florence Richmond, teacher of the Sight Saving Class in Chelsea, received the National Society for the Prevention of Blindness "Certificate of Recognition as Teacher of the Year in Education of Partially-Seeing Children in Massachusetts."

The Supervisor of Blind and Partially-Seeing Children served as moderator of a panel on education at the Workshop on Vision held in July at Boston University.

In May, 1964, members of the Massachusetts Sight-Saving Teachers Association met in Wethersfield, Connecticut, with Connecticut teachers of blind and partially-seeing children. Mutual problems and various programs were discussed. The exchange of ideas and varied opinions expressed proved to be helpful and stimulating.

The Supervisor of Blind and Partially-Seeing Children has been named the Massachusetts reporter for the Newsletter published by the National Council for the Education of Partially-Seeing Children.

ANNUAL REPORT

Division of Special Education

Year Ending June 30, 1964

EDUCATION OF SPEECH HANDICAPPED, HARD OF HEARING, AND APHASIC CHILDREN

In December of 1963 the State Board of Education approved the "Regulations and Guide Lines for Programs for Speech and Hearing Handicapped Children." This compendium of rules and suggestions had been given the unanimous approval of the Council of State Supervisors of Speech and Hearing at its annual conference the previous year.

With the passage of these regulations, superintendents of schools and school committees have been given the strong bulwark which is necessary to protect and safeguard the needs of the children and the rights of the school administrators. The specified case load maximum of one hundred children per therapist makes possible much more effective programs and permits more intensive, individual work. The various studies indicating that a single instruction period per week is insufficient for many children unless daily learning reinforcement is supplied, gave rise to the requirement that every speech or hearing handicapped child be seen at least twice weekly unless Department permission is granted for fewer meetings. Such a program will supply the basic reinforcement, and this can be supplemented by classroom teacher and parental assistance. Provision has been made for a period of time weekly during which the teacher of speech and hearing handicapped children can visit classrooms and homes in order to provide instruction for teachers and parents in strengthening the learning patterns of individual children.

Children who are hearing handicapped, or who have entered public schools from a school for the deaf, or who exhibit speech and language symptomatic of aphasia may be given special language and concept building by regular classroom teachers under the provisions of the regulations. This forges the final and essential link in the educational chain for these children, who, although of average or better intelligence, may miss or fail to understand from one-third to two-thirds of what is said them.

These regulations, which have the force of law under the covering statute, and the guide lines, which constitute the Division's most serious recommendations for the establishment of professional, high-caliber programs, together mark an important milestone in the process of providing assistance to speech and hearing handicapped children.

Programs for aphasic children reached a new high in population, with forty-two children at the Boston School for the Deaf, Randolph, Massachusetts, seven at Crotched Mountain School for the Deaf, Greenfield, New Hampshire, and two at Meeting Street School, Providence, Rhode Island. Massachusetts continues its national leadership in this field with both legislation and programs which serve as models to her sister states.

ANNUAL REPORT

Division of Special Education

Year Ending June 30, 1964

PHYSICALLY HANDICAPPED CHILDREN

The program for the education of public school physically handicapped children includes many children both in and out of school. Our censuses provide us with sufficient information so that consideration of a child's individual needs, in the light of his physical limitations, is the primary concern of the educator.

During the past year, under the supervision of the Boston School Department, day classes for physically handicapped children have been established at the Joseph P. Kennedy Memorial Hospital in Brighton. These classes are for those children who can accept this special type of program, and for whom there are no facilities making formal education possible in their local community. The ultimate goal for these children is, that eventually, they may be able to enter a public school program, perhaps on an integrated basis.

Because of the proficiency of the data processing system, it is now possible to obtain many statistics from our register of physically handicapped children attending schools. Breakdowns, relative to diagnoses and incidence on both age and grade levels have been made available for use in several studies. This is done with a minimum amount of time on the part of any one person.

A recreation program integrated with one for physically normal children has been tried and has proven quite satisfactory. This is another step in carrying out the philosophy that many physically handicapped children can compete favorably, in the light of their handicap, with their physically normal peers. Acceptance on the part of each is of primary importance.

We are looking forward to the time when the planning for physically handicapped children will be completed, allowing those for whom it might be essential to be sent to a special day or residential school within or out of the state, which would better meet their needs both physically and academically. Although not many in number, there are some, who are at this present time not receiving a maximum of help, because of the lack of specific legislation. By completing this phase of education, and concentrating on more adequate facilities for the brain damaged child it would seem that we will soon be in position to provide maximum help for each child in consideration of his physical limitations.

ANNUAL REPORT

Division of Special Education

Year Ending June 30, 1964

EDUCATION OF EMOTIONALLY DISTURBED CHILDREN

In the past twelve months, both public school and private school programs for emotionally disturbed children have shown a steady increase, ample proof that Chapter 71, Sections 46H and 46I of the General Laws have provided highly essential and fundamental bases for meeting the individual needs of children afflicted with one of mankind's oldest problems.

As of June 1964, 132 children were receiving home instruction, 147 were in special classes for emotionally disturbed, and 46 were in integrated programs. A total of 325 therefore were sharing in the benefits of public school programs.

At the same time, 80 were in private day schools approved by the Departments of Education and Mental Health, while 183 were in private residential schools, similarly approved, both within and without the Commonwealth.

During the year, 42 cities and towns provided home instruction for emotionally disturbed children, an increase of 11 over 1964. In similar fashion, 5 special classes were organized (a total of 20) and 7 integrated programs were structured (a total of 18).

The Departments of Education and Mental Health have now approved a total of 28 private schools, day or residential, or both. In all programs mentioned, the demand for facilities and the provision of such facilities maintain a constant balance, indicating that the early estimates of the incidence of moderate and severe emotional disturbance (0.1% to 0.3%) may soon be attained.

The Division plans for this area include a two-year program to assist many more cities and towns in the creation of special programs and classes for these children, so as to provide appropriate placement for those whose condition demands only a public school program and for those who will be returning to the community from private schools for the emotionally disturbed. The superintendents of schools have indicated willingness to assume their share of educational responsibility for emotionally disturbed children. Without this willing assistance the problems would be, indeed, difficult.

ANNUAL REPORT

Division of Teacher Certification and Placement

Year Ending June 30, 1964

The Board of Education appointed David L. Fitzpatrick as Supervisor in Education to succeed Garrett T. Barry who was assigned as Senior Supervisor in charge of licensing private trade schools in the Division of Vocational Education. Mr. Fitzpatrick holds degrees from Boston College and Harvard Graduate School of Education and has had teaching and administrative experience in the public schools of Massachusetts and New York.

The Board also made the following appointments to the Professional Standards Advisory Committee which is now engaged in a study of Massachusetts certification standards:

| | |
|--------------------|-----------------------|
| Charles T. Sweeny | Russell Doucette |
| Robert S. Ireland | Theodore Sizer |
| George Leonard | Fred H. Stocking |
| Merle Sawyer | Walter Gutterson |
| Ruth L. Southwick | Dana Cotton |
| Loretta W. Quinlan | Lester S. Vander Werf |
| John P. McGrail | |

The division issued 13,698 certificates to 6898 individuals during the year. These figures show an increase of 87% over the number of individuals certified in the year previous, an increase which may be explained partially by the fact that because of staff shortages, the division was unable to process all of the applications submitted in 1962-63. Significant increases may be noted in several categories, elementary, special class, mathematics, French, Latin, music and elementary and secondary principals.

Permission to employ non-certified teachers was granted in 1411 cases on the request of school committees alleging hardship in the securing of teachers. This waiver of certification under the statute is issued on a one year basis but may be granted for a second year if circumstances warrant it. There were 1154 first year waivers requested, 100 of which were for the employment of intern teachers who were completing certification requirements in graduate programs of several universities in the Commonwealth. There were 199 second year waivers issued for teachers who were still in the process of making up certification credits and 58 third year waivers. The number of waivers was up 590 over the previous year which would indicate that the teacher shortage continues in Massachusetts despite the increased number of teachers certified.

A total of 2729 vacancies were reported to the division and these were included in seven issues of position listings distributed to about 3000 placement registrants. This is an increase of 277 positions over the number listed last year. Significant increases are noted in the number of elementary, special class, French, woman's physical education and guidance positions reported.

THEORY OF THE EARTH

CHAPTER I. OF THE ORIGIN AND GROWTH OF THE EARTH.

SECTION I. OF THE ORIGIN OF THE EARTH.

THE first question which presents itself to the mind, is, what was the origin of the earth? and how did it come to be what we now see it to be? The answer to this question is, that the earth was created by the power of God, and that it has since that time been subject to the laws of nature, which have brought it to the state in which we now see it.

The second question which presents itself to the mind, is, what was the state of the earth at the time of its creation? and how did it come to be what we now see it to be? The answer to this question is, that the earth was created in a state of chaos, and that it has since that time been subject to the laws of nature, which have brought it to the state in which we now see it.

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The third question which presents itself to the mind, is, what was the state of the earth at the time of its creation? and how did it come to be what we now see it to be? The answer to this question is, that the earth was created in a state of chaos, and that it has since that time been subject to the laws of nature, which have brought it to the state in which we now see it.

The fourth question which presents itself to the mind, is, what was the state of the earth at the time of its creation? and how did it come to be what we now see it to be? The answer to this question is, that the earth was created in a state of chaos, and that it has since that time been subject to the laws of nature, which have brought it to the state in which we now see it.

The fifth question which presents itself to the mind, is, what was the state of the earth at the time of its creation? and how did it come to be what we now see it to be? The answer to this question is, that the earth was created in a state of chaos, and that it has since that time been subject to the laws of nature, which have brought it to the state in which we now see it.

TABLE I
Certificates Issued

| <u>Classification</u> | <u>1961-62</u> | <u>1962-63</u> | <u>1963-64</u> |
|--|----------------|----------------|----------------|
| <u>Elementary</u> - (Kindergarten through Grade 8) | 2792 | 2426 | 4457 |
| <u>Secondary</u> - (Senior High School)
(Junior High School)
(Community College) | | | |
| English | 1036 | 967 | 1806 |
| History | 575 | 538 | 1165 |
| Geography | 61 | 58 | 89 |
| Social Studies | 1100 | 780 | 1499 |
| Mathematics | 308 | 320 | 586 |
| Chemistry | 141 | 108 | 222 |
| Physics | 57 | 46 | 84 |
| Biology | 209 | 197 | 283 |
| General Science | 496 | 456 | 689 |
| Earth Science | 25 | 31 | 30 |
| French | 199 | 177 | 309 |
| German | 47 | 25 | 87 |
| Spanish | 73 | 49 | 90 |
| Russian | 12 | 4 | 19 |
| Italian | 5 | 4 | 16 |
| Latin | 40 | 59 | 134 |
| Greek | 2 | 17 | 11 |
| Other Modern Languages | 3 | 1 | 8 |
| <u>Special Subject</u> | | | |
| Health and Physical Education | 223 | 205 | 276 |
| Health | 37 | 28 | 6 |
| Business Subjects | 224 | 218 | 328 |
| Home Economics | 136 | 133 | 247 |
| Industrial Arts | 81 | 66 | 69 |
| Reading | 8 | 3 | 37 |
| Art | 161 | 132 | 164 |
| Music | 144 | 122 | 240 |
| Speech | 39 | 52 | 61 |
| Driver Education | 2 | 5 | 10 |
| Special Class | 67 | 70 | 96 |
| Speech and Hearing Handicapped | 18 | 25 | 22 |
| Deaf | 1 | - | 5 |

THE HISTORY OF THE
CITY OF BOSTON

FROM THE FIRST SETTLEMENT TO THE PRESENT TIME

BY SAMUEL JOHNSON

IN TWO VOLUMES

LONDON: Printed by J. JOHNSON, in Pall-mall, 1790.

TABLE I (Continued)

| <u>Supervision and Administration</u> | <u>1961-62</u> | <u>1962-63</u> | <u>1963-64</u> |
|---|----------------|----------------|----------------|
| Health and Physical Education | 3 | 2 | 6 |
| Health | - | - | 1 |
| Business Subjects | 1 | 1 | 7 |
| Home Economics | - | - | - |
| Industrial Arts | 1 | - | 5 |
| Reading | 1 | 2 | 1 |
| Art | 30 | 41 | 35 |
| Music | 24 | 20 | 32 |
| Speech | - | - | - |
| Driver Education | 1 | - | 3 |
| Guidance Counselor | 79 | 47 | 69 |
| Guidance Director | 14 | 10 | 16 |
| General Supervisor | 5 | 2 | 16 |
| Elementary School Principal | 21 | 18 | 147 |
| Secondary High School and Junior
High School Principal | 26 | 25 | 157 |
| School Librarian | 19 | 31 | 40 |
| Superintendent | <u>11</u> | <u>15</u> | <u>18</u> |
| TOTALS | 8558 | 7536 | 13,698 |

THE [illegible]

| [illegible] | [illegible] | [illegible] | [illegible] |
|-------------|-------------|-------------|-------------|
| [illegible] | [illegible] | [illegible] | [illegible] |

TABLE IITeaching Positions Reported

| <u>Classification</u> | <u>1961-62</u> | <u>1962-63</u> | <u>1963-64</u> |
|---|----------------|----------------|----------------|
| <u>Elementary</u> | | | |
| Kindergarten - Grade 3 | 378 | 387 | 472 |
| Grades 4 - 6 | 296 | 319 | 331 |
| Grades 7 - 8 | 45 | 28 | 20 |
| Combination of all grades | <u>-</u> | <u>-</u> | <u>-</u> |
| TOTAL | 719 | 734 | 823 |
| <u>Special Schools and Classes</u> | 42 | 51 | 70 |
| <u>Secondary - (Junior and Senior High Schools)</u> | | | |
| English | 206 | 263 | 250 |
| Mathematics | 163 | 168 | 176 |
| History | 21 | - | 12 |
| Social Studies | 71 | 96 | 76 |
| Geography | 5 | - | 1 |
| Chemistry | 46 | 47 | 52 |
| Physics | 30 | 35 | 43 |
| Biology | 31 | 26 | 35 |
| General Science | 103 | 108 | 118 |
| Latin | 36 | 37 | 45 |
| French | 105 | 119 | 145 |
| German | 9 | 6 | 11 |
| Spanish | 29 | 39 | 58 |
| Other Modern Language | 2 | 3 | 3 |
| | <u>857</u> | <u>947</u> | <u>1025</u> |
| <u>Special Subjects</u> | | | |
| Business Subjects | 74 | 97 | 87 |
| Physical Education (Male) | 49 | 37 | 38 |
| Physical Education (Female) | 81 | 65 | 85 |
| Home Economics | 47 | 49 | 38 |
| Industrial Arts | 86 | 72 | 77 |
| Art | 54 | 44 | 42 |
| Music | 70 | 69 | 64 |
| Guidance | 73 | 40 | 72 |
| Speech and Hearing | 2 | - | - |
| Reading | 77 | 50 | 56 |
| Librarian | 37 | 48 | 45 |
| Adjustment Counselor | 3 | - | - |
| | <u>652</u> | <u>571</u> | <u>624</u> |

| Concentration of inhibitor | rate of polymerization |
|----------------------------|------------------------|
| 0.0 | 1.0 |
| 0.2 | 0.8 |
| 0.4 | 0.65 |
| 0.6 | 0.55 |
| 0.8 | 0.48 |
| 1.0 | 0.4 |

The diagram illustrates the experimental setup. A subject is seated at a table, looking at a video screen. A camera is positioned above the screen. A target is placed on the table. The subject's hand is positioned near the target. The diagram shows the relative positions of the subject, camera, screen, and target.

Figure 1. The effect of the concentration of the *Agaricus bisporus* spores on the growth of *Agaricus bisporus* on the substrate. The concentration of the spores was 10⁴ spores/g substrate (A), 10⁵ spores/g substrate (B), 10⁶ spores/g substrate (C), 10⁷ spores/g substrate (D), 10⁸ spores/g substrate (E), and 10⁹ spores/g substrate (F). The substrate was a mixture of 100 g of straw and 100 g of manure. The substrate was incubated for 14 days at 25 °C. The substrate was then inoculated with 10⁴ spores/g substrate (A) and 10⁵ spores/g substrate (B). The substrate was then incubated for 14 days at 25 °C. The substrate was then inoculated with 10⁶ spores/g substrate (C) and 10⁷ spores/g substrate (D). The substrate was then incubated for 14 days at 25 °C. The substrate was then inoculated with 10⁸ spores/g substrate (E) and 10⁹ spores/g substrate (F). The substrate was then incubated for 14 days at 25 °C. The substrate was then inoculated with 10⁴ spores/g substrate (A) and 10⁵ spores/g substrate (B). The substrate was then incubated for 14 days at 25 °C. The substrate was then inoculated with 10⁶ spores/g substrate (C) and 10⁷ spores/g substrate (D). The substrate was then incubated for 14 days at 25 °C. The substrate was then inoculated with 10⁸ spores/g substrate (E) and 10⁹ spores/g substrate (F). The substrate was then incubated for 14 days at 25 °C.

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TABLE II (Continued)

Teaching Positions Reported

| <u>Administration</u> | <u>1961-62</u> | <u>1962-63</u> | <u>1963-64</u> |
|--|----------------|----------------|----------------|
| Superintendent | 19 | 25 | 20 |
| Secondary - Senior and Junior High
School Principal | 25 | 46 | 30 |
| Elementary Principal | 31 | 42 | 39 |
| Department | 8 | - | 30 |
| Miscellaneous | 7 | 36 | 5 |
| U.S. Peace Corps (ENESCO) | 150 | - | - |
| | <u>240</u> | <u>149</u> | <u>124</u> |
| State Colleges | <u>81</u> | <u>-</u> | <u>63</u> |
| GRAND TOTAL | 2591 | 2452 | 2729 |

ANNUAL REPORT

Division of Civic Education

Year Ending June 30, 1964

Chapter 693 of the Acts of 1951 charges this division in the Department of Education with "responsibility for leadership in the cooperative study and fuller use, in the public schools and teachers' colleges of the Commonwealth, of teaching materials and methods, student activities, and administrative and supervisory procedures directed toward more effective preparation for the duties of citizenship."

The Division of Civic Education experienced a major change in personnel in August 1963, when the Board of Education elected Dr. Thomas J. Curtin, who had served as Director of the Division since it was established in 1952, to the position of Deputy Commissioner of Education.

Miss Margaret M. Gearan, who had served as Supervisor in the Division since 1957, was elected to succeed Dr. Curtin.

The division is fortunate that, although Dr. Curtin's new duties are many and arduous, his dedication to this vital and sensitive area will be reflected in his continued close association with the many programs he inaugurated and his desire to share with us his rich experience.

We were concerned that the resulting staff vacancy would curtail our programs, but are pleased to report that dedication and determination made it possible to carry on all the programs that the division has sponsored since its establishment.

As in previous reports, the Division of Civic Education has adopted the service concept in its relationships with the schools and state teachers' colleges. Accordingly, in every situation where school systems, state teachers' colleges, and other agencies interested in citizenship training in these institutions have requested advice and assistance, we have provided these services. Additionally, as summarized below, several programs stressing teaching the duties of citizenship have originated in this division and, in turn, have been favorably received by the schools.

SUMMARY

I STATEWIDE PROGRAMS FOR STUDENTS

A. Student Government Day

This program conducted in accordance with Chapter 650 of the Acts of 1951, saw 447 delegates from public, parochial, and private independent schools participating in Student Government Day on April 10, 1964.

Student assignments were determined by the "Glass Bowl Drawing" held in the Senate Chamber on January 17, 1964.

Eight "Visiting Days" were held at the State House, in advance of Student Government Day, to prepare the delegates for their roles. The interest in and support of this program by the Constitutional Officers, the members of the General Court, and the many state officials whose cooperation and assistance helped to make the program a rich educational experience, were most gratifying.

The visiting days for the 1964 program were:

| | | | | |
|----------|----|--------|------|---|
| February | 4 | Region | I | Essex County |
| February | 11 | Region | II | Norfolk County |
| February | 18 | Region | III | Barnstable, Bristol, Dukes,
Nantucket and Plymouth
Counties |
| February | 25 | Region | IV | Worcester County |
| March | 3 | Region | V | Berkshire, Franklin,
Hampden and
Hampshire Counties |
| March | 10 | Region | VI | Middlesex County
(Districts 1-15) |
| March | 18 | Region | VII | Middlesex County
(Districts 16-30) |
| March | 24 | Region | VIII | Suffolk County |

Student Government Day was held on Friday, April 10, 1964. The inaugural ceremony was televised "live" and financed by Stations WBZ-TV, WNAC-TV and WHDH-TV in Boston, WHYN-TV in Chicopee, WWOR-TV in Worcester, WRLP-TV in Greenfield, WWLP-TV in Springfield and WTEV-TV in New Bedford.

This division is most grateful to these stations for providing this educational highlight at no cost to the Commonwealth. We are also grateful for the financial support of the Massachusetts Teachers' Association, which sponsored the student luncheon,

and the Massachusetts Civic League, which assisted in conducting the program and in underwriting the cost of vital teaching materials.

B. Student Government Exchange Program

This program is designed to enrich students' knowledge of town and city government, to encourage pride in their local communities and to broaden their understanding of local and metropolitan problems.

During the 1963-1964 school year, one hundred and four high schools participated. In recognition of outstanding programs the Citizenship Committee of the Massachusetts Secondary School Principals' Association awarded citations to the following high schools:

Acton-Boxborough Regional, Acton
Avon
Bedford
Hingham
Lexington
Masconomet Regional, Topsfield
Mission, Roxbury
Norton
Watertown
Winchester
Classical, Worcester

C. Citizenship-in-Action Program

This voluntary program is conducted cooperatively with the Massachusetts Secondary School Principals' Association to encourage social service by pupils throughout the Commonwealth. The Citizenship Committee of the Massachusetts Secondary School Principals' Association screens the reports submitted by the principals and this year voted to give special awards for such services, under a grant from the Sears-Roebuck Foundation.

The Division of Civic Education organizes and directs this program and the Director and Supervisors present the awards to those schools selected as deserving of special recognition. The following high schools received citations for outstanding community services in 1963-1964:

Charlemont
Chelsea
Gate of Heaven, South Boston
Harwich
Marion, Framingham
Masconomet Regional, Topsfield
New Bedford Vocational
Newburyport
North Quincy
Notre Dame, Fitchburg

D. Massachusetts Youth Citizenship Conferences

This division, in co-operation with the State Colleges at Boston, Bridgewater, Framingham, Salem, Westfield and Worcester, annually sponsors a series of high school conferences on a significant topic relating to civic responsibility. These conferences take the form of "grass roots" sessions for large numbers of students drawn from the geographical region around each of the participating state colleges. These intrastate meetings represent a preliminary step to the Northeast Regional Youth Citizenship Conference for selected schools from New England, New York, New Jersey, and Pennsylvania which is held in June at Tufts University.

The same basic theme and conference structure is used in the intrastate and interstate sessions. The 1964 theme was "Equality: A Principle and a Dilemma." Nationally known speakers were featured in the programs, which also provided for pupil discussion, in small groups, moderated by students from our state colleges.

The 1964 Massachusetts meetings were completely self-supporting as each school paid a registration fee of five dollars and each participant paid for his own meal. A total of 1267 people participated in the six conferences. Attending were 939 pupils and 124 teachers from 104 high schools, and 28 faculty members and 126 students from the six sponsoring state colleges.

Note: Complete program details are available in this office.

E. Northeastern States Youth Citizenship Conference

The Division of Civic Education contributed to the basic planning of this interstate conference sponsored by the Commissioners of Education of the Northeastern States (New England, New York, New Jersey and Pennsylvania) and their service affiliate, the Lincoln Filene Center for Citizenship and Public Affairs.

Ninety "teams" each consisting of an eleventh grade girl and an eleventh grade boy, and a faculty advisor, from ten secondary schools in each of the nine states, participated in this conference held at Tufts University on June 2, 3 and 4, 1964.

A grant from the Sears-Roebuck Foundation made it possible to present outstanding authorities on the theme "Equality: A Principle and a Dilemma." Group discussions were moderated by college students who had participated in our intrastate conferences on the same theme.

The following Massachusetts high schools were represented at the 1964 conference:

Gateway Regional, Huntington
 King Philip Regional, Wrentham
 Tantasqua Regional, Sturbridge
 Bedford
 Huntington School, Boston
 Mission High for Girls, Roxbury
 Nantucket
 Revere
 Rindge Technical, Cambridge
 Saint Mary's High, Milford
 Springfield Trade

F. Massachusetts Heritage Day

The Massachusetts Heritage Day program was instituted in October of 1961 to dramatize for adolescents of junior high school age the very important part this Commonwealth has played in the development of democracy and to enhance their understanding and appreciation of American ideas and ideals. The third annual Heritage Day was held at Plymouth on October 19, 1963 under the joint sponsorship of the Division of Civic Education, the Massachusetts Bar Association, Plimoth Plantation, the Massachusetts Junior High School Principals' Association, and the Lincoln Filene Center for Citizenship and Public Affairs of Tufts University. The program expenses were underwritten by the John Hancock Mutual Life Insurance Company.

Student and faculty representatives from one hundred and eighty three Junior High Schools heard the inspiring address on "Liberty Under Law: Individual Responsibility in a Government of Laws", toured the Mayflower II and Plimoth Plantation, and participated in group discussions moderated by students from the State College at Bridgewater.

G. The U. S. Senate Youth Program

In 1962 the Commissioner of Education accepted an invitation to have Massachusetts participate in the U. S. Senate Youth Program to be held in Washington, D. C., during the last week of January each year. Sponsored by the William Randolph Hearst Foundation in cooperation with the United States Senate, the program, a continuing one, is designed to give young Americans of high school age knowledge of American political life.

The Division of Civic Education has been entrusted with the mechanics for, and the supervision of, the selection of the two students from Massachusetts who would participate in the program.

This was done in conjunction with the Massachusetts Student Government Day Program. On December 12, 1963, the names of William A. Beasdale from South Attleboro and Wayne E. Shaw from Whitman were drawn in a glass bowl ceremony held in the office of the Commissioner of Education.

During their stay in Washington the delegates visited both houses of Congress, the Supreme Court, the State and Defense Departments, and the White House, where they were received by President Johnson. They also served as interns in the offices of their respective senators and had the opportunity to talk with outstanding administrative, legislative, and judicial leaders.

II SPECIAL PROGRAM FOR STUDENTS

This division works extensively with the School Bureau of the United Community Services of Greater Boston in promoting school-community service activities by secondary school youth. During 1963-1964 approximately 5200 boys and girls from 385 schools were involved in programs popularly known as "Operation Kindness." More than 100 health and welfare agencies were able to offer expanded services in "Red Feather" hospitals, settlement houses, homes for the aged and day camps because of the desire of these young people to help those less fortunate than themselves.

III PROGRAMS FOR TEACHERS

A. Continuing Studies Courses

1. Institute on Youth Problems

A series of programs showing how elementary and secondary teachers and administrators can work effectively with community agencies in the development of better civic behavior in children and youth. Distinguished representatives of religious faiths, juvenile courts, police, medicine, social welfare and inter-group agencies are guest lecturers. This year institutes were held at:

Salem State College, Fall 1963 (Dr. William J. Reid)

Boston State College, Winter 1964 (Dr. William J. Reid)

2. Institute on Education and Race Relations

A series of significant lectures and discussions by several of America's leading authorities on race relations designed to increase public understanding and to enhance classroom teaching and administrative policy-making with respect to this paramount civic issue. This was held at Boston State College, Fall 1963 (Dr. Thomas J. Curtin)

3. Ideology and World Affairs

This course, designed to meet the needs of schools concerned about the challenges presented to the democratic way of life by communism and other totalitarian ideologies, was offered at:

Boston State College, Fall 1963 (Dr. John S. Gibson)
Worcester State College, Winter 1964 (Dr. John S. Gibson)

4. Workshop in Adult Civic Education

This is a prerequisite for certification by the Massachusetts Department of Education to teach state-aided classes in Adult Civic Education and was held at:

Boston State College, Fall 1963 (Miss Margaret E. Kielty)

B. Undergraduate Courses

1. "Education for Citizenship" at Boston State College
1963-1964 (Dr. George Aherne)
2. "Education for Citizenship" at Salem State College
1963-1964 (Miss Lorraine Coffey)
3. "Education for Citizenship" at Bridgewater State
College, 1963-1964 (Mr. Charles Foth)

Note: These undergraduate courses and extension courses were serviced directly by this division through study guides, suggested bibliographies, and resource materials. Guest lecturers were also arranged for in certain courses.

C. Teachers' Visiting Day

This division, for the fifth consecutive year, conducted an all-day program for teachers of history and government on Monday, February 17, 1964. The program included a guided tour, special lectures by members of the Massachusetts House and Senate, attendance at committee hearings and legislative sessions and reception by the Governor. One hundred and sixty teachers from forty-nine communities braved one of winter's heaviest snowstorms to participate in this program.

D. Educators' Economic Education Seminars

The Division of Civic Education has worked with the New England Economic Education Council to increase economic competency. The major area of cooperation during 1963-1964 was in the planning of the Educators' Seminars held at Boston College on December 4, 1963, March 4, 1964 and May 9, 1964.

IV

ADULT CIVIC EDUCATION PROGRAM

In accordance with Chapter 69, General Laws, Sections 9, 9a, and 10, instruction in the use of English for adults eighteen years of age or older unable to speak, read, or write the same, and in the fundamental principles of Government and other subjects, adapted to prepare them for American citizenship is directed by the Division of Civic Education. State-aided classes were conducted in 52 cities and towns with an enrollment of 6,302 students. These communities were reimbursed fifty percent of the cost of instruction in the amount of \$116,923.85.

This division also conducts courses to prepare teachers to instruct the foreign born, collects statistics for the U. S. Department of Justice, Division of Immigration and Naturalization, serves as a clearing house for procedures and materials, processes requests for reimbursement, and plans and conducts an annual conference for supervisors and teachers in the program.

In addition, insofar as budget and staff limitations permit, the Director and Supervisor visit classes and participate in closing exercises.

In May 1964, the Division conducted its biennial Washington Pilgrimage, a week-end lectured-sight-seeing tour of our nation's Capital. The tour was planned by the Director who accompanied one hundred and twelve new citizens and six teacher-supervisors on this impressive pilgrimage.

V

SPECIAL SERVICES OF THE DIVISION

Many boards, commissions, service organizations and clubs have called upon this division as consultant and architect when planning and implementing those activities in which there is a community of interests.

A. Massachusetts Congress of Parents and Teachers

As Citizenship Chairman, the Director conducted the state-wide District Citizenship Awards Program, moderated or participated in panel discussions at District Conferences, the Mid-winter Conference, President's Day and at the State Convention. She also accepted many invitations to speak to and advise local units.

B. Commonwealth Service Corps

The Director was appointed by the Commissioner of Education to serve as his representative on the Governor's Study Commission whose findings and recommendations resulted in the creation of the Commonwealth Service Corps by the General Court in 1964.

C. 4-H Club Work

The selection of "Citizenship" as the theme of the 1964-1965 4-H Club Program resulted in the request for assistance in launching this program at the 1964 4-H Conference at the University of Massachusetts in June 1964.

The Director assisted in the planning and implementation of this state conference, served as consultant in the three day County Agent's Workshop on Citizenship on March 5, 6 and 7 at Tufts University, and in planning for the Senior 4-H Forum to be held in Boston in October 1964.

D. Adult Literacy Committee

The Director represented the Department of Education in the Adult Literacy Program launched in 1963 by the Adult Education Association, the Boston Public Library, the Council for Public Schools, the Federation of Women's Clubs and the Reading Reform Foundation.

It is the sincere hope that from this meeting of minds from many agencies a positive program to combat illiteracy will be organized.

E. Operation Alphabet

We are happy to report that through the cooperation of this division and Station WBZ-TV the 100-lesson television program "Operation Alphabet" is being televised daily on Channel 4 from 6:15 - 6:45 a.m. The response has been gratifying but a complete report on the program will not be available until the completion of the series.

F. New England Area History Conference

The Department of History at Regis College and the American Historical Society requested the advice and assistance of this division in planning a New England Conference on the Teaching of History in the fall of 1964.

The Director attended all meetings of the planning committee and will be a participant in the Conference on October 17, 1964.

G. Governor's Conference on Youth

The Supervisor of Civic Education served as a panelist in this two-day conference held at the Sheraton Plaza Hotel on April 27, 28, 1963.

H. New England Association of Colleges and Secondary Schools

The Supervisor of Civic Education served as a member of this Association's evaluation committee for Braintree High School on November 5, 6 and 7, 1963.

I. Governor's Committee on Migratory Agricultural Labor

The Director of the Division has been a member of this Committee since it was established in 1958. Efforts have been made to improve the living conditions in the migrant labor camps in the Connecticut Valley, Cape Cod and central Massachusetts. Additional emphasis has been placed on eliminating the language barrier and in overcoming the handicap of illiteracy.

Impressed by the Committee's achievements in the agricultural areas, Governor Peabody has suggested the Committee's sphere of activity be broadened to include all migrants in the Commonwealth.

J. National Council for the Social Studies

As a member of the Standing Committee on Citizenship, the Director attended the Annual Meeting of the National Council in Los Angeles, November 1963, and chaired the section meeting on the Social Studies Curriculum in the Senior High School.

K. Co-operative Services to Other Agencies

Between July 1, 1963 and June 30, 1964 the Division of Civic Education has been privileged to work toward common goals with the following agencies:

- American Red Cross
- Anti-Defamation League of B'Nai B'Rith
- Boston Tuberculosis Association
- Massachusetts Commission Against Discrimination
- Massachusetts Jewish War Veterans
- Massachusetts Secondary School Principals' Assoc.
- Massachusetts Teachers Association
- National Conference of Christians and Jews
- Plimoth Plantation Heritage Day Committee
- U. S. Office of Education Foreign Educators' Program
- U. S. Office of Immigration and Naturalization

VI SPECIAL ACTIVITIES OF THE DIVISION

A. Assembly Talks to Students

The Director and Supervisor accepted invitations to address the student body at assemblies in the following schools:

| | |
|------------------------------|-------------------|
| Masconomet Regional High | October 7, 1963 |
| Massachusetts College of Art | October 16, 1963 |
| Newburyport High | November 1, 1963 |
| Gate of Heaven, South Boston | November 15, 1963 |
| North Quincy High | November 18, 1963 |
| Marion High, Framingham | December 4, 1963 |
| Everett Vocational | April 9, 1964 |

B. Talks to Youth Groups

The staff also accepted invitations to address:

| | |
|--|-------------------|
| Brotherhood Breakfast,
Framingham | February 23, 1964 |
| Student Exchange Teams
Saugus High | March 16, 1964 |
| Conference on Twentieth
Century Citizen
Bedford High | March 20, 1964 |
| Student Exchange Teams
Worcester | April 6, 1964 |
| Essex County 4-H Clubs | June 3, 1964 |
| Malden Rotary Citizenship Day | June 10, 1964 |
| National Honor Society
Randolph High | June 15, 1964 |
| Girls' State
Bridgewater | June 18, 1964 |

ANNUAL REPORT
DIVISION OF IMMIGRATION AND AMERICANIZATION
YEAR ENDING JUNE 30, 1964

The end of the fiscal year, June 30, 1964, completed the 47th year of service of the Division of Immigration and Americanization, originally established as the Bureau of Immigration in 1917, and since 1919 a Division in the Department of Education.

The total services rendered in the five offices were 43,448, a slight increase over the previous year and shows the full capacity of work which a total personnel of 17 employees accomplished for 21,403 individuals who were served by our five offices. Of this total, 11,422 came to the Boston Office; Fall River, 1,853; Lawrence, 2,121; Springfield, 2,688; and Worcester, 3,319. The Boston Office reported 24,998 services with a personnel of 9 workers; Fall River, 3,722; Lawrence, 5,762; Springfield, 3,715; and Worcester 5,247 with two employees in each branch office.

WHAT WE DO

In classifying and recording the work, the Division uses a basis of service rather than a client count. The services may be roughly divided into three general categories; i.e., the giving of information on immigration and naturalization problems; the filling of the federal forms which are required by the Government for immigration and naturalization purposes; and the help given in execution of affidavits of support to bring immigrants to this country. Work with newly arrived immigrants, which usually requires interpretation service, includes help and advice in personal problems of adjustment to the new land.

NATIONALITIES

Of the 108 nationalities - or places of birth - as we recorded our statistics, the Italians were greatest in number - 6,234 (4,035 Boston). That is the nationality, the largest foreign speaking group of new immigrants residing in Massachusetts; Canadians numbered 5,584 (Boston 3,381). Many were change of status assisted, as they had come to the United States on temporary entrance. These visitors, or students, were assisted in completing the proper documentation and correspondence with the United States Consuls in Canada, so that on arrangement of appointments with the Consul abroad, they were able to return in a few days with the proper permanent resident visa. We list 4,408 persons born in the United States (Boston 2,436) for whom we rendered services. Many of these were sponsors of foreign born mates for whom we initiated procedures and assisted in reunion of families. Many were sponsors in affidavits of support for relatives from abroad. There are also those who, though born in the United States, had lived abroad since childhood, married there and had families and now recently returned to the country of their birth. Even though native born, they had problems of learning English and becoming acclimated to a "new country".

A notable increase is shown in the number of Cubans - 3,971 services (Boston 2,415). The past year showed a marked increase in applications to

become legal permanent residents in the United States. We filed documentation at nearby American Consuls in Canada and received appointments for them. For many, the hope of return to their country of birth is getting more and more remote.

Of the 3,074 Portuguese born persons, the Fall River Office reported 2,072 clients, their largest group in the nationalities served. The Southeastern section of Massachusetts is still the locale for the majority of Portuguese and Cape Verde Island born persons.

Polish born persons number 2,343 (Boston, 1,087); Ireland, 1,863 (Boston, 1,434); Greece, 1,706; Germany, 1,412; England, 1,015; Chinese born, 928; Jamaica, 627; Lebanon, 598; Lithuania, 460; U.S.S.R., 428; etc., with a goodly number from the new countries as Ghana, Kenya, Liberia, Libya (see statistical sheet attached).

RESIDENCE OF APPLICANTS

The greatest number of services were recorded for the clients who resided in the cities where our offices are maintained, although practically every town and city of the Commonwealth is represented. The localities in numerical order are: Boston, 14,104; Worcester, 3,246; Lawrence, 2,722; Springfield, 2,007; Fall River, 2,003; Cambridge, 1,661; Lowell, 1,573; Brookline, 1,023; New Bedford, 1,000; and Somerville, 995; etc. (see statistical sheet attached).

IMMIGRATION PROBLEMS

Immigration matters of varying kinds ranging from the making of an affidavit for the purpose of bringing relatives to the United States, to the changing of an irregular or temporary status to a legal one on the part of the persons already here is a major part of our work. The complexities of the immigration and citizenship laws, with the small quotas for the countries where so many of our clients come from as Italy, Portugal, Greece, etc., bring the majority of requests for our services. Families separated by the quota situation hope for new legislation to remedy their plight.

Family separations are many, as that of the Italian born father who came to the United States on the petition of his naturalized daughter. He now faces a separation of over three years until his wife and children may join him since they are accorded third preference category in the quota, which priority he did establish on his petition. Because of the many waiting their turn in this category, he must wait.

A Greek mother of a citizen for whom the petition was approved ten years ago, still awaits her turn to come to the United States even though she is in the second preference category!!! The case of a Greek young lady was much publicized in the Boston newspapers. She came to the United States to study but she faced deportation to Greece because of the unavailability of a quota number. Her Russian born parents had come to the United States but were unable, under technicalities of the law, to adjust the

status of their daughter since she had reached her majority (she was 22) and could not benefit on her parents' quota. A solution to her case has been initiated by the intercession of a Congressman filing a Private Bill.

An Italian born nephew, for whom the uncle had made an affidavit and who registered at the Consul in Argentina in 1949, still awaits his turn to come to the United States in the non-preference category of the Italian quota.

An adult daughter of a citizen born in Barbados, awaits her turn to come from Bridgetown for ten years. The Jamaican born niece of a citizen of the United States has been registered at the Consulate for many years and still her turn has not been reached. The quota allocations cause many family separations and problems. Many hope for enactment of pending legislation in Congress for a solution in the reunion of close relatives.

A Visa Office Bulletin of the Department of State, January, 1964, lists the total number of oversubscriptions as 806,408 - 630,021 of which are in the nonpreference category. The following quota areas have pending registrations of 10,000 or more:

| <u>COUNTRY</u> | <u>OVERSUBSCRIBED</u> | <u>ANNUAL QUOTA</u> |
|----------------|-----------------------|---------------------|
| Italy | 263,878 | 5,666 |
| Greece | 105,233 | 308 |
| Poland | 68,701 | 6,488 |
| Portugal | 63,293 | 438 |
| Yugoslavia | 33,795 | 942 |
| Turkey | 17,180 | 225 |
| Israel | 15,794 | 100 |
| Spain | 15,258 | 250 |
| India | 15,084 | 100 |
| Jamaica | 11,554 | 100 |
| Philippines | 11,184 | 100 |
| Hungary | 10,119 | 865 |
| Rumania | 10,063 | 289 |

The records show that we assisted 2,710 persons in execution of affidavits of support. Many of these are in behalf of Irish and Canadian born relatives where there is no quota problem. The World Fair has been the excuse given in many a visitor's affidavit made by relatives of persons visiting them from abroad during this World Fair Year.

We assisted 333 persons to change status to permanent residence while in the United States. The majority of them were aliens on temporary status in the United States who had married citizens and now want to remain in the United States. The next in number were persons who came from South America, Argentina, Brazil or Central America as Costa Rica, Colombia and Ecuador, who came on temporary status as visitors or students and who now wish to remain in the United States. There is no quota situation for natives of these countries and such persons were able to comply with all the requirements of the immigration law, and were able to change status and become residents of the United States without returning to their homeland. The majority of them were for young adults who, since coming to the United States, had become acclimated to making their homes in America and had prospects. - in most cases, of employment. Our Social Workers initiated

the procedure by completing the necessary application, assembling the required documentation, translating the required documents as birth, marriage and other records, and attending hearings with them before the United States Immigration Service where the application was acted on. Our Social Workers accompanied the applicants on 237 change of status hearings.

However, the former seaman, now resident in the United States and married to a native born citizen and, in many cases, father of a United States born child or children, could not adjust by this application under Section 245 of the Immigration and Nationality Law. He had to go abroad in his application for immigrant visa. After much correspondence and presentation of documentation which the Consul required, several Greek born former seamen were able to go to countries nearby and get a visa. This was not possible to do in Canada. Several Italian born former seamen returned to Italy and, fortunately, were able to return with the proper visas in a few months after the preliminary requirements had been prepared by our Social Workers.

For some, even the adjustment to a permanent resident is not possible, either by Section 245 - remaining in the United States to complete this procedure - or by going abroad, as this group - Americans married to persons who came to the United States as Exchange Visitors - adjustment of status under the present regulations of the Exchange Program has been impossible in most cases. The proof of "extreme hardship" to the citizen spouse or child has been most difficult to show. The citizen spouse, in several cases, has gone abroad with her spouse to fulfill the two year requirement.

NEWLY ARRIVED IMMIGRANTS

Last year showed that 13,571 immigrants came to Massachusetts from abroad. The greatest number was from Canada. Information regarding various immigration matters shows our largest number of services as we gave information to some 8,237 clients in this category.

The following chart shows the nationalities of immigrants admitted last year to Massachusetts - Year ending June 30, 1963:

| | |
|---------------------|--------|
| Total. | 13,571 |
| Canada..... | 4,418 |
| United Kingdom..... | 1,515 |
| Italy..... | 1,061 |
| Ireland..... | 918 |
| Germany..... | 693 |
| Poland..... | 502 |
| All Other..... | 4,464 |

In the past ten years, 108,896 new immigrants have come to Massachusetts. The following chart shows the number admitted yearly:

| | | |
|------|---|--------|
| 1954 | - | 7,901 |
| 1955 | - | 8,817 |
| 1956 | - | 11,742 |
| 1957 | - | 11,260 |
| 1958 | - | 10,128 |
| 1959 | - | 9,855 |
| 1960 | - | 11,953 |
| 1961 | - | 12,091 |
| 1962 | - | 11,578 |
| 1963 | - | 13,571 |

We sent 5,244 letters of welcome to the new immigrants. From 2,835 we have had requests for services. They came either in answer to our welcome letter or referral by a friend. The problems of assimilation are many. Of great concern is the matter of learning the language - becoming citizens - as well as where to fulfill requirements for the draft, change of address, job opportunities and information for opportunities to join social groups of their own nationalities.

The past year brought emphasis on problems of the "domestic" who had come to United States employer sponsored. Many were arranged through professional employment agencies. Several were disappointed that the employment was in a town distant from the city where they had hoped to follow courses of study at night; others desired to leave their employer because the work was harder than anticipated. In some cases, the employer was dissatisfied and wished to have the employee leave and be devoid of his "guarantee" and responsibility.

IMMIGRATION FROM BEHIND THE IRON CURTAIN

Inquiries from many clients come to have relatives come from behind the Iron Curtain as Lithuania, Estonia, Latvia, Bulgaria, Rumania, etc. There have been a few successful cases among them. We start the procedure in these applications by executing a petition in English and in the Russian languages. Then the document is duly legalized by the Secretary of State of the Commonwealth and then by the Department of State in Washington, D.C. It is sent abroad to the relative in U.S.S.R. to apply for the Exit Permit from the proper authorities. Applicants in U.S.S.R. have found that several applications had to be made before given the Exit Permits to leave. Many never get the Permit.

One family had to renew the application yearly for five years, but finally, this past Summer, a mother, sister and brother were reunited with their sister in the vicinity of Boston. The U.S.S.R. officials had permitted them to come from Erevan, Armenia, Russia.

Two elderly mothers from Lithuania came to Massachusetts, one from Estonia and a father from Latvia.

Many of the applications in which we assisted were made for brothers, sisters and spouses and which have met with refusals so far. There is always a flood of inquiries and hopeful applications when newspaper articles appear of successful arrivals as recently a Lithuanian actress in California was happy in having her grandmother join her from Lithuania.

From Hungary, the past year has witnessed the reunion of children in two families with their parents who had tried for some five years previously to have them come without success.

CUBANS

Of the 180,000 Cubans in the United States, it is estimated there are now about 4,000 Cubans living in Massachusetts. We initiated 385 change of status cases last year for Cuban persons. The procedure begins by filling the proper registration form at Consuls in nearby Canada. Further correspondence, presenting the proper documentation and required evidence to comply with all the immigration laws is approved before this procedure is completed. Personal documents as birth, marriage records, police clearances to accompany applications must have translations attached. Some 345 translations alone were made from the Spanish for this group. Presently, the United States Consul in Canada have so many applications pending their attention that a form letter is sent on receipt of an application. It informs the applicant that his name has been placed on the Administrative List and some months will pass before the Consul can start the processing of the application. Seventy-seven such cases were completed for permanent residence in the United States from Canada. A number ~~were~~ families of 3 and 4 persons. The majority were single, young adults; several professional persons and many were of the clerical group who were employed by local insurance companies and banks.

The vicinity of Boston has the largest number of Cuban residents. Many reside in the Back Bay Section of Boston with goodly numbers in Arlington, Belmont, Watertown, Cambridge and Waltham. Although hope of return to their homeland has not been completely abandoned, that possibility appears further and further away for many.

Now that there is no direct transportation from Cuba, there is no hope for relatives to come from there under "waiver" procedures and parolee procedures. A number of Cubans have been able to go to Spain. We have assisted relatives to be reunited in this group by execution of affidavits of support and correspondence with the consul in Spain so that visas were issued and they entered the United States as residents.

Several families came via Jamaica. Others have been able to get into Mexico and are sponsored from there to the United States. There are still many cases of children left in Cuba who are unable to come to the United States, and many who hope for reunion with their wives left in Cuba. Our Spanish speaking Social Worker is concerned with matters for many Cubans who still lack the knowledge of English. Noticeably, there is an improvement in knowledge of English now among this group, especially those who are in their early twenties. They, in two years time, seem to have advanced considerably well. Many who had acquired English have benefited by being able to leave their hospital jobs and enter the banking and accounting fields.

NON-CITIZENS IN MASSACHUSETTS

Massachusetts is the eighth state in number of aliens in the United States:

| | | |
|---------------|---|---------|
| California | - | 767,022 |
| New York | - | 608,120 |
| Texas | - | 246,280 |
| Illinois | - | 203,406 |
| Florida | - | 175,448 |
| New Jersey | - | 172,381 |
| Michigan | - | 135,412 |
| Massachusetts | - | 135,341 |
| Pennsylvania | - | 104,549 |
| Ohio | - | 86,958 |
| etc. | | |

In January, 135,341 persons reported their address as non-citizens. The nationalities were as follows:

| | | |
|----------------------|---|--------|
| Canada | - | 33,671 |
| Italy | - | 14,571 |
| United Kingdom | - | 10,519 |
| Poland | - | 8,678 |
| Ireland | - | 6,525 |
| Germany | - | 5,335 |
| U.S.S.R. | - | 2,027 |
| Netherlands | - | 1,506 |
| Cuba | - | 1,173 |
| Japan | - | 508 |
| Mexico | - | 203 |
| All other permanent | - | 39,469 |
| Other than permanent | - | 11,156 |

MASSACHUSETTS FOREIGN BORN

Foreign stock, as defined by the Census Bureau, is comprised of foreign born persons and natives born of foreign, or mixed foreign and native parentage. In the United States, one in each five United States residents is of foreign stock, according to the 1960 census results. In Massachusetts, the so-called "foreign stock" is 40% of the total population.

TOTAL POPULATION - MASSACHUSETTS.....5,149,317

| | | |
|----------------------------------|-----------|---------|
| Native born. | 4,572,865 | - 88.8% |
| Native parentage | 3,091,008 | - 60% |
| Foreign or mixed parentage . . . | 1,481,857 | - 28.8% |
| Foreign born | 576,452 | - 11.2% |

Persons in Massachusetts of "foreign stock" are 2,058,309 or 40% of the total population of the state.

MOTHER TONGUE OF FOREIGN BORN IN MASSACHUSETTS

For the 576,452 foreign born persons listed in Massachusetts, the mother tongue is listed as follows:

| | | |
|----------------|---|---------|
| English | - | 187,336 |
| Italian | - | 84,848 |
| French | - | 59,125 |
| Polish | - | 33,199 |
| Portuguese | - | 30,929 |
| Yiddish | - | 26,417 |
| German | - | 19,517 |
| Greek | - | 14,467 |
| Swedish | - | 14,018 |
| Russian | - | 11,748 |
| Lithuanian | - | 11,494 |
| Finnish | - | 5,003 |
| Arabic | - | 4,080 |
| Norwegian | - | 3,192 |
| Chinese | - | 3,172 |
| Spanish | - | 3,010 |
| Dutch | - | 2,218 |
| Ukranian | - | 1,955 |
| Hungarian | - | 1,760 |
| Danish | - | 1,479 |
| Japanese | - | 1,147 |
| Czech | - | 880 |
| Slovak | - | 641 |
| Rumanian | - | 510 |
| Serbo-Croatian | - | 400 |
| Slovanian | - | 57 |
| All other | - | 16,828 |
| Not reported | - | 37,022 |
| TOTALS | | 576,452 |

NATURALIZATION AND CITIZENSHIP

We assisted 2,022 persons in becoming citizens and filled applications for naturalization. Declarations of Intention were made for 181 persons who found this necessary either for employment or to enter military service. 581 persons who were citizens through their parents were aided in procedures which sometimes involved correspondence in getting necessary birth records and evidence of long residence in the United States. They found it necessary to apply for Certificates of Citizenship to prove citizenship in order to get registered to vote or to obtain United States passports for travel or for employment purposes. One applicant, who had been voting for many years under the assumption that his father was naturalized during his minority, found that when his birth certificate came from abroad, he was over 21 years of age at the time of the father's naturalization so that he had no right to vote. He had to get naturalized after living in the United States over fifty years.

The newer immigrants, especially from the Communist Controlled countries, are applying for naturalization as soon as possible. There were several elderly applicants desirous of getting housing in the public housing projects who found it necessary to get naturalized in order to qualify.

We have been able to assist a number of the Philippine born servicemen of the United States Coast Guard or Navy Service in getting naturalized. They were those persons who had been in service some ten years but who had enlisted in the Philippines for this service. Regulations provide that on termination of their service they are to leave the United States and are ineligible for naturalization unless an entry as an immigrant is made. For a number of them who had married native born girls, we assisted them in obtaining immigrant visas by completing procedures and getting appointments for them with consuls in Canada. After their return from Canada and now having a recorded entry into the United States and being able to qualify with three years or more service in the Armed Forces, they were able to get naturalized as citizens of the United States.

For 141 persons, we filled forms to get duplicate naturalization certificates which were lost. For persons who derived citizenship, 581 applications were made. Election year, with the necessity of voters to produce evidence of citizenship in order to register to vote, reminds individuals more forcibly of this need.

NEW RULING FOR NATURALIZED CITIZENS

Angelika Schneider, a Massachusetts resident who appealed her case to the Supreme Court, won a favorable decision regarding her citizenship, which will affect some 40,000 citizens of the United States. The regulations and manner of procedure of restoration of "lost citizenship" is still being worked out by the United States Immigration and Naturalization Service and we have had many inquiries about this decision.

On May 18, 1964, the United States Supreme Court, in a far-reaching decision in *Schneider v. Rusk*, declared unconstitutional the provisions of the Immigration and Nationality Act expatriating naturalized citizens who have resided continuously for three years in their native country. The court by a vote of five to three, with one Justice abstaining, found the provision in violation of the due process clause of the United States Constitution.

The impact of the decision, and the number of people affected cannot be estimated at this time. Not only does it affect naturalized citizens presently living abroad, but also the children, and in some cases, the grandchildren of naturalized citizens who may have died abroad long ago and who had been found expatriated under the provision. If the children were born to American citizens, they derived citizenship from their parents, and they, in turn may have conferred citizenship upon their children. Because of the various changes of United States nationality laws over the years, many problems may arise from this ruling.

The appellant, a German national by birth, came to the United States with her parents when a small child. She derived United States citizenship

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at the age of 16 through her mother. During her college years, she studied abroad, became engaged and married a German national. Thereafter, she resided in Germany for more than three years. She made two visits to the United States. Two of her four children are dual nationals (persons born abroad of parents one of whom is a United States citizen who prior to the birth of the child was physically present in the United States for not less than ten years, at least five of which were after the age of 14). The other two children were born after Mrs. Schneider had been denied her passport and had been declared expatriated. She sued for a declaratory judgment in the District Court for the District of Columbia and that Court held against her. The decision was appealed to the United States Supreme Court. The Court, in an opinion which for its importance is comparatively brief, found the provision unconstitutional.

PENDING IMMIGRATION LEGISLATION

No new immigration legislation was enacted last year. Since the enactment of the Immigration and Nationality Act of 1952, numerous organizations have urged changes in the laws. Of special concern has been the revision of the national origin quota system which allocated quotas to countries based on ancestry of the population in the United States in 1920. Bills with this objective have been introduced in every session of Congress. Most of them, however, also contained proposals for revision of other aspects in the law, both minor and important.

No bill with general revision aspects has received so much consideration until this year when many bills introduced by single sponsorship and others like S.1932 sponsored by some 27 Senators, or other bills introduced in the House of Representatives sponsored by over 50 Representatives. Another bill sponsored by the Administration received much attention. Hearings by the several Judiciary Committees were held and many persons gave testimony both for the bills and some against. The Attorney General of the United States, The Secretary of State, Secretary of Labor, appeared in favor of revision. However, it appears at this time that the possibility of enactment of an immigration law revision is very dim this year.

In general, the proposals are concerned with a gradual elimination of the national origin quota system over a period of five years. The National Origins quota system is the system under which each country outside the Western Hemisphere has a specific number - a quota - of immigrants admitted to the United States yearly. This allocation is given to each country as its proportion of the total - equal to the proportion of the white population in the United States in 1920, whose national origin was attributed to that particular country.

One

Great Britain, for instance, gets 65,361 of the total quota of roughly 157,000 (of which it usually uses only about 40%). Poland on the other hand, gets 6,488; Italy 5,666; Hungary 865 and Greece 308 (all of which have heavily oversubscribed quotas).

Under the present law, the minimum quota for any country is 100. Moreover, persons of one-half Asian ancestry, unlike all others, regardless of place of birth are chargeable to the quota assigned to the Asian area from

which they originally derived by their Asian ancestry.

There is no numerical limitation on admission of persons born in the Western Hemisphere, except for those from colonies or such former colonies as Jamaica, Trinidad and Tobago. The present annual quota is approximately 157,000.

The major changes proposed in several of the bills are: Abolishment of the national origins quota system over a five year period in the following manner: It reduces each quota by 20% a year; that is, 20% the first year; 40% the second year; 60% the third year; 80% the fourth year, so that by the end of the fifth year there are no country quotas.

The numbers that become available by the annual reduction in quotas plus all unused numbers of the prior years go into a quota reserve pool. Numbers within the pool are to be allocated on a first come first served basis with priorities for persons with skills and close relatives.

Priorities in the present law prevail with certain exceptions as follows: Parents of United States citizens get nonquota status and the preference category has added to it (a) parents of aliens lawfully admitted for permanent residence and (b) qualified quota immigrants capable of performing specified functions for which a shortage of capable and willing persons exists in the United States.

No quota area can receive more than 10% of the total or 16,500, except that during the first five years no country shall have its present quota reduced by more than the annual 20% authorized.

Establish minimum quotas of 200 for each quota area instead of 100. This would increase to 165,000 the immigrants permitted to enter the United States instead of the present 156,987.

Extend Western Hemisphere nonquota status to all independent countries as Jamaica, Trinidad and Tobago.

Persons entitled to first preference category will no longer have to have employment assurances to enter the United States.

Eliminate discrimination against Asians - **repealing** the Asian-Pacific Triangle.

In speaking for the revision of the Immigration Laws, Secretary of Labor, W. Willard Wirtz, assured the Committee that the proposed changes would not have an adverse effect on the labor market in the United States. He said among other things: "In the late 19th and early 20th centuries the flow of immigrants into the United States helped satisfy the labor needs of our developing industries such as coal mining, apparel and transportation. In contrast, a greater percentage of immigrants entering this country during the past two decades have been professional and technical-worker category. Under the present law, approximately 8,600 quota immigrants entering the labor market are craftsmen, foremen and kindred workers. The proposed revision would bring this category up to about 13,800 representing about one of every five worker immigrants. We have benefited greatly from the diversified education training and knowledge brought here by immigrants.

During the 1952-1961 period, the United States profited when some 14,000 immigrant physicians and surgeons and about 28,000 nurses helped alleviate the shortage of trained personnel in the critical medical field. Some 4,900 chemists and nearly 1,100 physicists contributed their technical know-how to industry and government. Fifteen of the United States Nobel prize winners in the field of chemistry and physics were foreign-born. More than 12,000 immigrant technicians, the vitally needed men and women who assist and support scientists and engineers, were also admitted during the 1952-1961 period. About 9,000 machinists and 7,000 tool and die makers added their skills to our supply of craftsmen."

Any change in legislation affecting immigrants in this State, with its high proportion of foreign born, casts the prospect of the many continued services which we shall be called upon to perform.

PUBLIC RELATIONS

Cooperation with many private and public social agencies continue to our mutual benefit in exchange of special technical information regarding social work problems and information on citizenship and immigration procedure. We are fortunate to have good relationship and expert assistance from the United States Immigration and Naturalization Service Office in Boston. Cooperation with teachers and adult civic groups, supervisors and directors, continue.

Leaders of foreign speaking groups have called on us for assistance and explanation of immigration and citizenship laws and encouragement towards naturalization. The work of the office has been explained before groups and addresses on radio and once in a television program. As a member of the National Organization - American Immigration and Citizenship Conference - and Social Worker organizations, we participate in their many programs.

Our booklet, recently revised, "THE CONSTITUTION OF THE UNITED STATES and QUESTIONS AND ANSWERS IN PREPARATION FOR NATURALIZATION EXAMINATION" received wide distribution. Each applicant we assist for citizenship is given a copy. Some 10,000 copies are distributed yearly to many schools for use in citizenship classes, to libraries, as well as to various courts having naturalization hearings, civic groups and through all our District Offices.

We conduct no publicity campaigns and the ever increasing calls for our services attests to the fulfillment of the duties of the Division of Immigration and Americanization as designated in the law under which the Division operates:

"The Division of Immigration and Americanization shall employ such methods, consistent with law, as in its judgment will tend to bring into sympathetic and mutually helpful relations the Commonwealth and its residents of foreign origin, protect immigrants from exploitation and abuse, stimulate their acquisition and mastery of English, develop their understanding of American government, institutions and ideals and generally promote their assimilation and naturalization."

PROJECTIONS

The growth of services given has not been matched by increase in staff in this Division. This is particularly evident in the Boston Office where the staff of nine, four of whom are social workers, work on the many problems of newcomers, immigration and citizenship. Retirement of a social worker two years ago left a vacancy which has never been filled and there is intensive need, not only of this replacement, but for at least an additional social worker to relieve the tension and stress of the demands for services where applicants have to wait sometimes an hour for their turn. Our present difficulty is giving adequate service with an inadequate staff. A public office, like ours, meets difficulties in attempts to limit intake.

The need for our services reflects the changes and tensions which Federal Laws make in the pattern of living for those from other lands. Integration of the newcomer is still a major personal problem. Difficulties in family reunions, technicalities of residence, immigration and citizenship laws all affect the foreign born person. The need for a State Office like ours, is most apparent, and its use more constant. Education and knowledge of American ideals and principles is most important in the present day world tensions and "cold war" against Communism.

THE BOARD

Since its beginning, this Division has had the guidance and assistance of a Board of six members who hold business meetings monthly, concerning policies and functions of the Division of Immigration and Americanization. They serve without remuneration. The term of office is three years and two members are appointed annually by the Governor of the Commonwealth.

Through the years, we have had the guidance and concern and interest of many dedicated community leaders of many ethnic origins.

Such a person was Mrs. Clementina Langone who, continuously, for over fifteen years, gave dedicated service in behalf of so many persons. With a deep feeling of loss of her great leadership, her passing away on April 20, 1964 is memorialized.

The present Board of the Division of Immigration and Americanization consists of the following members:

Mrs. Gemma Valenti, Medford - Chairman
Mrs. Edith M. Brickman, Brookline
Mrs. Carol Offenbach, Melrose
Mr. Robert Patenaude, North Adams
Mrs. Mary Twomey, Belmont

FALL RIVER OFFICE

A total of 3,722 services to clients was rendered by the Fall River Office during the fiscal year ending June 30, 1964. This figure represents an increase over the previous fiscal year. It also served thirty-three separate localities in Southeastern Massachusetts. The report shows an increase of individuals served, covering a wide and complex variety of problems.

The most distressing problem this office must content with, is the small Portuguese Quota. Portuguese ethnic clients consist of more than two-thirds of our workload due to the influx of Portuguese Nationals who have located in the New Bedford and Fall River area during the past ten or more years. This small Portuguese Quota separates families coldly and arbitrarily. For years, husbands, wives and little children are separated from each other. This problem has worsened in the past two or more years and unless Congressional legislation, such as H. R. 12305 or H. R. 7700 is acted upon by the 88th Congress, hardships rather than simple humanity will be served.

The Cuban Refugees who fled from the Castro Regime and entered the United States apparently did not, to any degree, locate in the Southeastern Massachusetts area. One section in the City of New Bedford has felt an influx of Puerto Ricans and Cape Verdian Portuguese Nationals. In this area there are approximately forty-to-fifty nuns who have fled Castro's Cuba and have opened convents and schools in New Bedford, Fairhaven, Mattapoisett and Provincetown. These schools are attended mainly by Puerto Rican Nationals and Cape Verdian Portuguese citizens.

Many of the nuns are natives of Spain and this constitutes a problem of adjusting their immigration status through first preference visa petitions and then application for adjustment of their status under Section 245 of the Immigration and Nationality Act.

During the past fiscal year, this office completed 833 forms. The majority of these applications were citizenship and immigration forms which unite families. Newcomer Letters were sent to hundreds of new immigrants destined to reside within this district. These letters welcomed the new immigrant to our Commonwealth and advised them of the purpose of our office and the services available to them in adjusting their lives in the United States. The response and inquiries concerning these newcomer letters was most gratifying.

During the past fiscal year, this Agent addressed numerous small gatherings in the Fall River area. Participation on the "WALE" Radio Program "Sounding Board" was for an hour and one half. The interview consisted telling of the work in this office in the field of immigration and citizenship. There was a question and answer period from local residents via telephone concerning specific problems that they desired to have answered. I also spoke before the local chapter of the "I Am An American Day Club" and was the principal speaker at the Adult Education graduation program in Fall River.

The Southeastern Massachusetts area office has always had excellent facilities for the non-English speaking newcomers. There has been in this area a definite, open welcome towards the newcomer on the part of teachers, supervisors and school administrators to enroll these people in the local classes for English training.

The Southeastern Massachusetts area is now on the threshold of a broad and bright new future in the field of education with the building of the Southeastern Massachusetts Technical College located in Dartmouth, offering excellent opportunities for higher learning to the sons and daughters of these newcomers.

LAWRENCE OFFICE

The fiscal year 1963-64 ended on a note of hope and expectation. Refugees from Cuba are looking forward to the day when either their relatives still in Cuba can join them or when Cuba will be free again. Immigrants from southern Europe are anxiously scanning the daily newspapers, hoping for Congressional action on pending legislation to alleviate the immigration laws so they may be reunited with their families.

We in the Lawrence District Office are not merely witness to these hopes and frustrations. Rather, we are the motivating factor, since we serve as advisers, dispensers of information, representatives, secretaries and sympathetic listeners.

Although the Cuban crisis of last year has faded, its repercussions are still reverberating through our office. Out of necessity, this Agent has even become conversant in Spanish! Although "hope springs eternal" in the hearts of many Cubans, a number of them have become resigned to the fact that they will be in the United States for some time. Consequently, the two services most frequently rendered last year for the Cuban refugees were first, the preparation of forms and the arrangement of appointments with the United States Consuls in Canada for the issuance of immigration visas, and secondly, the completion of affidavits of support to bring to the United States relatives who had fled from Cuba to Spain or to Mexico.

Although Cubans took 22% of our time, the remaining 78% involved natives of approximately seventy two other countries. The predominant subject among these people dealt with the immigration quota and its restrictions. Among the many groups seeking assistance and advice in immigration matters were officials and foreign students at Lowell Technological Institute. This Agent spent one day at the school meeting with foreign students and helping them to resolve whatever problems on immigration they may have; giving information and assistance because of knowledge of the laws and procedures affecting them.

A gamut of emotions was observed at the Lawrence office last year: heartbreak, tragedy, joy and humor. There was the heartbreak of continued separation of father and married daughter still in Poland due to quota restrictions; there was the tragedy of the Greek mother returning alone to Greece after bringing her desperately ill son to the Children's Hospital in Boston where even the skill of our famed surgeons could not save the child's life; there was the joy and price of admission to American citizenship of an elderly woman who has been in the United States for 60 years and who never had dared apply thinking she had to know how to read and write in English until we advised her of the 1952 law exempting her; also, there was the humor of the handsome unmarried visitor from Italy who thought we should start a matrimonial agency on the side so visitors could stay in this country.

Citizenship played an important part in the services rendered by our office last year. This agent was principal speaker at the graduation exercises of the Lawrence English and Americanization classes at Lawrence High School. This agent also participated actively in the naturalization ceremonies held in Lowell and attended all the naturalization sessions at the Superior Court in Lawrence.

All our news releases were graciously publicized by the Lawrence and Lowell newspapers and radio stations. A high level of cooperation continued and is continuing between this office and all the public and private agencies with whom we came in contact. Newcomers to this area were welcomed by letter and those who had problems not related to immigration or citizenship were referred to the proper resources.

Last May, this agent experienced a real thrill. The Cuban refugees in Lawrence have formed a Cubans-in-exile club and on May 22, they invited me to attend an affair they were holding. I arrived late and the hall was filled. I stood in the back, listening to the main speaker, a professor from Merrimack College in North Andover, Mass. The president of the club was seated next to the speaker, and as soon as he saw me, he arose and whispered something to the professor who stopped his speech. Then, pointing to me, the president motioned me to go sit next to him. As I started to walk up the aisle, I understood him when he announced in Spanish: "Mr. Ansara, representative of the Immigration Office in Lawrence". Immediately, everyone in the hall stood and applauded. They continued clapping enthusiastically until I reached the front and sat down. I knew they were not applauding me, personally. I was a symbol, and this was their way of saying: "Thank you, America."

SPRINGFIELD OFFICE

In the year ending June 30, 1964, a total of 3,715 recorded services were given by the branch office at Springfield. Individuals from 49 localities in the four western counties came to us and we had correspondence from 54 former residents now residing in other parts of the United States who came to our community upon their arrival in this country.

Our clients included 54 different nationality groups. French-Canadians led this classification with the next largest categories being United States-born persons, natives of Italy, Germany and Poland.

Last year 651 letters were sent to newly arrived immigrant families destined to our district. Responses from them and personal contacts with them were indeed rewarding. We have counseled them and aided many to adjust to their new way of life in America. All expressed their gratitude at the thought of having an agency such as ours to welcome them and to which they can come to obtain the many technical services offered to them by this Commonwealth. Many of the applicants for naturalization required urgent attention - some because of employment and others because they were dependents of Air Force Personnel about to go overseas. The majority of certificates of citizenship were made for small children born abroad while their fathers were stationed overseas with our Armed Forces.

On June 8, we witnessed the naturalization of a gentleman who was born in 1911 in a country now classified as one behind the Iron Curtain. He gained considerable publicity, internationally, because of his manner of escape from his homeland. He first came to our attention in 1957 after he was temporarily admitted to this country. This office assisted him in obtaining an immigrant visa at Montreal, Canada, to enter the United States for permanent residence. At the time of the preparation of his application for citizenship, he asked the district agent to be one of his witnesses. He felt that it would be an honor to be sponsored for citizenship by a representative of the agency that did so much for him during the time that he has lived in this country. He was greatly disappointed to learn that the agent would not qualify.

Cuban Refugees in our area have sought our aid in becoming permanent residents of this country. We aided them by making the necessary arrangements for them to obtain appointments at the American Consulate at Montreal, Canada to obtain immigrant visas.

One such case concerned a lady and her three small children paroled into the United States in 1962. All were born in Cuba. This woman has a husband who was born in Lebanon - a resident of Cuba for many years and at present resides in Spain.

Immigration work has been frustrating at times because of the inability of so many people to have immediate members of their families join them in the United States. Our clients definitely appear to be in a position financially give these people a better way of life here and to relieve them of some of their hardships. We have assisted all in preparing, when possible, petitions, affidavits, etc., hoping that, in the near future, families abroad may qualify for visas to come to the United States.

It is hoped that the present Congress may give favorable consideration to revising and modernizing our Immigration Laws which will permit the reuniting of families. If it does, we can anticipate an increase in our work of assisting residents of our area in executing the required applications to sponsor relatives.

During the year, publicity was given in our local press concerning activities, as well as important information of benefit to the non-citizen. Contacts were made with the teachers of Adult Education to whom we refer so many of our new immigrants. Additional publicity concerning the duties and functions of the Division as contained in a bulletin of information prepared by our Supervisor was sent to racial groups and agencies not circularized the previous year.

Attendance at Court for final naturalization hearings lends precedence to the function of this agency.

Excellent cooperation has been manifested throughout the year in our relations with other public and private agencies. It is a great source of satisfaction to us to learn by these contacts that we are fulfilling the functions required of us under the law that established our Agency. We are particularly pleased with the splendid cooperation received from the very courteous and efficient personnel in the local office of the United States Immigration and Naturalization Service.

WORCESTER OFFICE

Worcester County, including the City of Worcester, often referred to as the "Heart of the Commonwealth", with only a small airport and no seaport, has a number of resident foreign stock, approximating the high 40% average for the state of Massachusetts.

During the year, 3,319 individuals came into the office to have 5,247 forms completed and services performed, concerning immigration, Americanization and travel. These people consist of foreign stock descent, native parentage, and non-immigrants, such as visitors, refugee-parolees from Cuba, students, trainees, and exchange visitors.

There has been an increase of persons in the latter group in this area. The Cubans move here after living temporarily at Miami, Florida. We are assisting a number of them with visa applications through the United States Consulate General, Montreal, Canada. This type of a case has been averaging 6 months to a year for completion; lately the Consul has been placing the names on an Administrative Waiting List, due to receiving applications faster than they could be processed, which causes further delay and an increase in our pending cases. Some of them are employed as doctors and dentists in state and public institutions, where their services are urgently required.

It appears that the American Consuls overseas have eased their restrictions on issuing visitors visas, consequently inhabitants here are requesting friends and relatives to visit them more freely, also to see the New York World's Fair. We assist with the necessary Visitor's Affidavit of Support.

The schools, hospitals and institutions are prone to accept students, trainees, and exchange visitors. We advise these non-immigrants concerning the procedure to apply for extensions of stay and apply for admission or re-admission to the United States as immigrants under the first preference under the quota for their country, that is, those whose

services are determined to be needed in the United States. There has been an increasing number of exchange visitor nurses coming from the Philippines, and student engineers from India. One unusual case involves one of these nurses who should leave the United States for two years after completing her exchange visitor program, but due to marriage to a Filipino man serving in the United States Navy for 17 years, she is being allowed to remain here under "Docket Control", and performs her needed services as a nurse while he is a seaman.

The world renown Worcester Foundation for Experimental Biology, Shrewsbury, Massachusetts, in the field of steroid biology, is in the process of expanding. As many as 100 scientists and students from other lands spend varying periods at the foundation each year. Most of them call concerning immigration questions, and we have assisted some of them with their Applications for Waiver and Adjustment of Status. These cases are usually drawn out and quite complicated. Most likely this expansion should require more scientists from other countries, and services from our office.

Finally, Worcester has an International Center with the Rotary providing finances, a full-time staff worker and incidental expenses and the Young Women's Christian Association an office. The District Agent and his wife attended the official opening night. It was a colorful affair with many flags; numerous international visitors in native dress mingled with the public in the full auditorium and two Scotsmen played bagpipes at the entrance of the new Y.W.C.A. building. The attendance shows the community acceptance of people of another ethnic background, and a project of this type. Quoting the Executive Director that the following will be provided: "A center of hospitality, special parties, dances and teas; opportunities for international friends to be entertained in American homes, a teaching program in English and other needed subjects, a friendly greeting to first-time international visitors and solutions to problems faced by international visitors". She came into our office with some of them and continues to refer others.

Other measures of public relations by the District Agent were: attending a luncheon meeting in the city concerning immigration proposals to revise the national origins quota system, appearing on a television show and being re-elected an officer in a club.

The Worcester Jewish Federation sponsored the meeting, with Mrs. Ruth Murphy, Director of the American Immigration and Citizenship Conference, New York City, being the main speaker. Topics discussed were a historical review of the national origins system, current congressional and presidential bills for changes, some of the scenes behind the news, the need for revisions, and procedures for interested persons to contact congressmen, to show interest of the public in these proposals. Social, religious, and labor groups were represented here from the Worcester and Boston areas.

This Agent took part in a television program with the Immigration Board and the Boston League of Women Voters. Mrs. George S. Tattan, Supervisor of Social Service, Massachusetts Department of Education, Division of Immigration and Americanization was the guest speaker on the "Expert Opinion" television show, Boston, Massachusetts and then she answered questions regarding Immigration and Citizenship.

The Agent was re-elected Vice-President of the Monday Evening Club for another year, a local organization numbering 180 persons in public contact work and the social field. Agencies they represent not only send their clients to our office, but we also have to know the proper agency where to refer ours, in each particular situation.

STATISTICAL DETAIL

For the Fiscal Year 7/1/63 - 6/30/64

ALL OFFICES

| | BOSTON | FALL
RIVER | LAWRENCE | WORCESTER | SPRING-
FIELD | TOTAL |
|---------------------------------------|--------|---------------|----------|-----------|------------------|--------|
| I. INFORMATION | 6279 | 1770 | 2857 | 3325 | 2179 | 16,410 |
| 1. Booklets, forms, blanks | 1572 | 419 | 106 | 291 | 350 | 2,738 |
| 2. Citizenship | 431 | 658 | 590 | 950 | 761 | 3,390 |
| 3. Immigration | 3723 | 463 | 1901 | 1298 | 852 | 8,237 |
| 4. Travel | 119 | 34 | 175 | 777 | 165 | 1,270 |
| 5. Other | 434 | 196 | 85 | 9 | 51 | 775 |
| II. FORMS FILLED | 5801 | 833 | 1379 | 950 | 739 | 9,702 |
| 6. AR-11 | 215 | 36 | 122 | 86 | 54 | 513 |
| 7. DSP-70 | 222 | 9 | 20 | 3 | 8 | 262 |
| 8. DSP-78(Cuban Waiver) | 4 | - | - | - | - | 4 |
| 9. FS-497 | 277 | 5 | 55 | 15 | 12 | 364 |
| 10. FS-510 | 255 | 8 | 70 | 10 | 7 | 350 |
| 11. G-28 | 202 | 22 | 18 | 11 | - | 253 |
| 12. I-53 | 862 | 114 | 540 | 267 | 70 | 1,853 |
| 13. I-90 | 225 | 31 | 23 | 28 | 39 | 346 |
| 14. I-129B | 2 | - | 1 | - | - | 3 |
| 15. I-130 | 618 | 117 | 65 | 61 | 52 | 913 |
| 16. I-131 | 115 | 5 | 11 | 16 | 13 | 160 |
| 17. I-140 | 6 | - | 6 | 1 | - | 13 |
| 18. I-191 | 1 | 1 | - | - | - | 2 |
| 19. I-212(Per. to reenter after Dep.) | 3 | 1 | - | - | - | 4 |
| 20. I-243(Removal to native country) | 4 | - | - | 1 | - | 5 |
| 21. I-256A | 4 | 1 | 3 | - | - | 8 |
| 22. I-290A | 3 | 1 | - | - | 1 | 5 |
| 23. I-484 | 24 | - | 3 | - | - | 27 |
| 24. I-485(Registry) | 14 | 5 | 7 | 3 | 3 | 32 |
| 25. I-485(Sec. 245) | 251 | 27 | 24 | 10 | 21 | 333 |
| 26. I-506 | 29 | 5 | 9 | 1 | 2 | 46 |
| 27. I-539 | 261 | 92 | 64 | 81 | 44 | 542 |
| 28. I-550 | 36 | 1 | 3 | 1 | 9 | 50 |
| 29. I-591 | 4 | 1 | - | - | - | 5 |
| 30. I-600 | 7 | 15 | - | - | 2 | 24 |
| 31. I-601 | 5 | - | - | - | - | 5 |
| 32. I-612(Exch. Student Waiver) | 2 | - | 1 | - | - | 3 |
| 33. Other Immig. Forms | 135 | 21 | 100 | 28 | 3 | 287 |
| 34. N-300 | 129 | 9 | 14 | 8 | 21 | 181 |
| 35. N-400 | 1255 | 185 | 123 | 223 | 236 | 2,022 |
| 36. N-401 | 1 | - | 2 | - | 2 | 5 |
| 37. N-402 | 97 | 46 | 4 | 12 | 14 | 173 |
| 38. N-426 | 31 | 3 | 1 | - | 5 | 40 |
| 39. N-458 | - | - | - | - | 1 | 1 |
| 40. N-565 | 100 | 4 | 13 | 9 | 15 | 141 |
| 41. N-577 | 1 | - | - | - | 1 | 2 |
| 42. N-585 | 74 | 1 | 5 | 10 | 9 | 99 |
| 43. N-600 | 322 | 52 | 64 | 53 | 90 | 581 |
| 44. Other Natur. Forms | 5 | 15 | 8 | 12 | 5 | 45 |

THE HISTORY OF THE UNITED STATES

The history of the United States is a story of growth and change. It begins with the first people who lived on this land, and continues through the years of exploration, settlement, and the struggle for independence. The story is one of a people who have built a great nation, and who are still building it today.

The first people who lived on this land were the Indians. They were here long before the Europeans came. They lived in small groups, and they were very skilled at hunting and farming. They were the first to teach the Europeans how to live in this land.

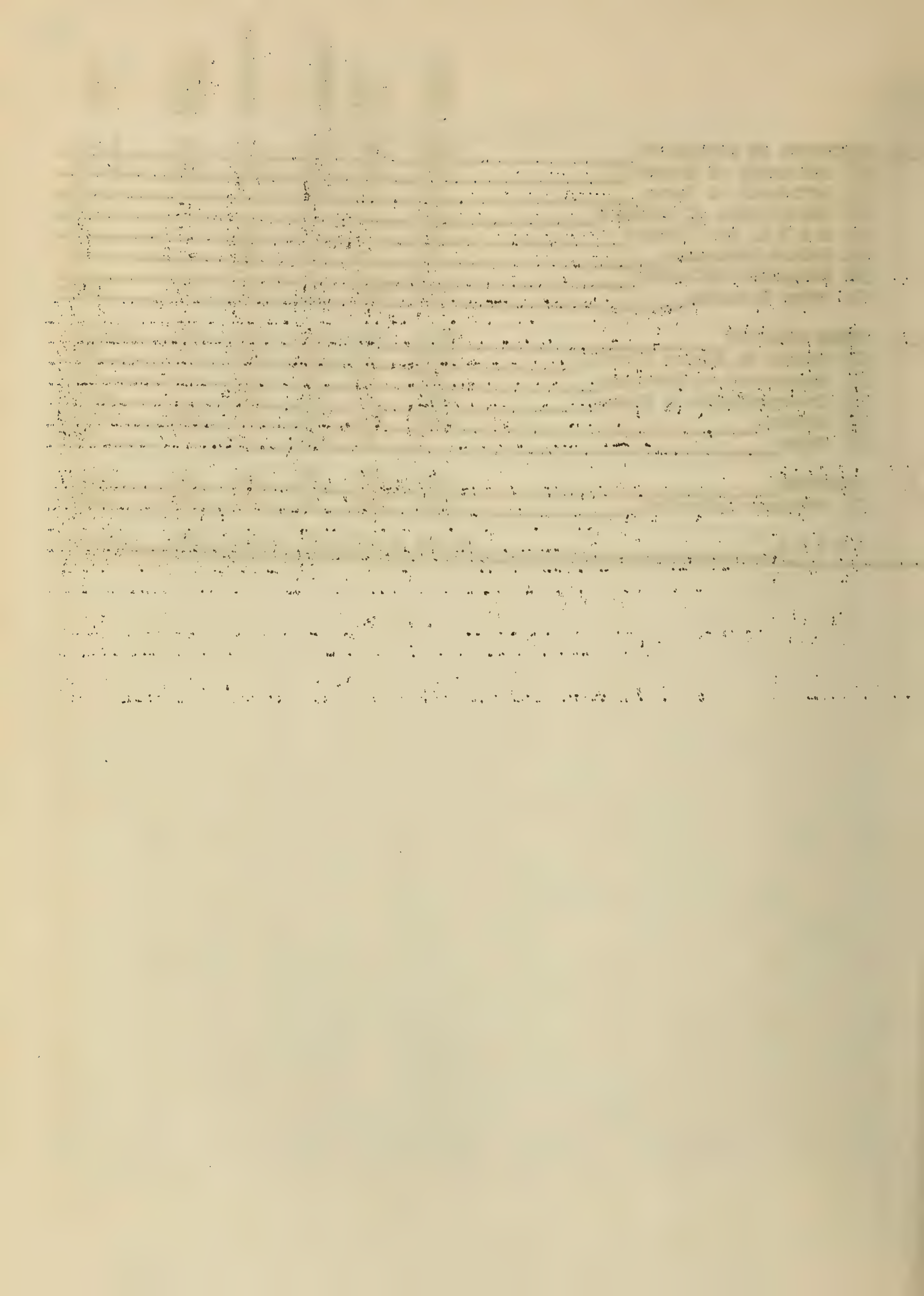
The Europeans came to this land in the 15th century. They were looking for new places to settle, and they found this land. They were very interested in the land, and they began to settle here. They brought with them many new things, and they taught the Indians how to live in a different way.

The Indians and the Europeans lived together for many years. They learned from each other, and they grew to love each other. But in the 17th century, the Europeans began to fight with the Indians. They wanted more land, and they wanted to control the land. They fought many wars, and many people died.

In the 18th century, the Europeans began to fight with each other. They wanted to be the most powerful nation in the world. They fought many wars, and many people died. In 1776, the Americans declared their independence from Britain. They fought a war, and they won. They became a new nation.

The new nation grew very fast. It became a great power. It fought many wars, and it won. It became the most powerful nation in the world. It has many things that are good, and it has many things that are bad. But it is a great nation, and it is still growing.

| | BOSTON | FALL
RIVER | LAWRENCE | WORCESTER | SPRING-
FIELD | TOTAL |
|------------------------------|--------|---------------|----------|-----------|------------------|--------|
| III. EXECUTION OF AFFIDAVITS | 2402 | 349 | 235 | 349 | 185 | 3,520 |
| 45. Affidavit of Support | 2090 | 122 | 139 | 257 | 102 | 2,710 |
| 46. Affidavit of Facts | 38 | 8 | 40 | 8 | 2 | 96 |
| 47. Certificate of Identity | 42 | - | 2 | 1 | 5 | 50 |
| 48. U.S.S.R. Exit Permit | 16 | - | - | 1 | - | 17 |
| 49. Polish Assurance | 18 | - | 10 | 28 | - | 56 |
| 50. Bulgarian Affidavit | 3 | - | - | - | - | 3 |
| 51. Other Notarial | 195 | 219 | 44 | 54 | 76 | 588 |
| IV. OTHER SERVICES | 8537 | 483 | 1213 | 460 | 284 | 10,977 |
| 52. Change of Status (Cards) | 633 | 33 | 101 | 24 | 35 | 826 |
| 53. Appearance at Hearings | 207 | 20 | 6 | 3 | 1 | 237 |
| 54. Interpretation & Trans. | 1213 | 14 | 98 | 130 | - | 1,455 |
| 55. Letters | 6481 | 366 | 900 | 303 | 246 | 8,296 |
| 56. Other | 3 | 50 | 108 | - | 2 | 163 |
| V. INTERVIEW | 1979 | 287 | 78 | 163 | 328 | 2,835 |
| 57. Newcomer Interview | 1979 | 287 | 78 | 163 | 328 | 2,835 |
| T O T A L | 24,998 | 3,722 | 5,762 | 5,247 | 3,715 | 43,444 |



ALL OFFICES
7/1/63-6/30/64

| | Boston | Fall
River | Lawrence | Worcester | Spring-
field | TOTAL |
|--|--------|---------------|----------|-----------|------------------|-------|
|--|--------|---------------|----------|-----------|------------------|-------|

ETHNIC AND NATIONALITY STATISTICS

| | | | | | | | |
|-----|--------------------|------|-----|------|------|-----|-------|
| 1. | Albania | 59 | - | 1 | 115 | 2 | 177 |
| 2. | Algeria | 7 | - | - | - | 3 | 10 |
| 3. | Antigua | 19 | - | - | 2 | - | 21 |
| 4. | Arabia | - | - | 2 | - | - | 2 |
| 5. | Argentina | 285 | - | 13 | 29 | 7 | 334 |
| 6. | Armenia (R. or T.) | 14 | - | 103 | 84 | 2 | 203 |
| 7. | Australia | 30 | - | 7 | 6 | 3 | 46 |
| 8. | Austria | 101 | 2 | 6 | 18 | 22 | 149 |
| 9. | Bahamas | 20 | - | - | - | - | 20 |
| 10. | Barbados | 266 | - | - | 6 | 38 | 310 |
| 11. | Belgium | 61 | - | 24 | 12 | 33 | 130 |
| 12. | Bermuda | 44 | 2 | - | 20 | 13 | 79 |
| 13. | Bolivia | 53 | - | 19 | - | - | 72 |
| 14. | Brazil | 153 | 36 | 5 | 1 | 4 | 199 |
| 15. | Br. Guiana | 17 | - | - | 1 | - | 18 |
| 16. | Bulgaria | 52 | - | - | 1 | - | 53 |
| 17. | Canada | 3381 | 211 | 840 | 586 | 566 | 5,584 |
| 18. | Ceylon | 4 | - | 6 | - | - | 10 |
| 19. | Chile | 44 | - | 13 | 11 | - | 68 |
| 20. | China | 665 | 155 | 37 | 61 | 10 | 928 |
| 21. | Colombia | 209 | 4 | 14 | 3 | 4 | 234 |
| 22. | Costa Rica | 67 | - | 3 | - | 6 | 76 |
| 23. | Cuba | 2415 | 10 | 1284 | 194 | 68 | 3,971 |
| 24. | Cyprus | - | - | 3 | - | 4 | 7 |
| 25. | Czechoslovakia | 74 | - | 7 | 14 | 10 | 105 |
| 26. | Danzig | 1 | - | 1 | - | - | 2 |
| 27. | Denmark | 34 | 4 | 3 | 10 | 8 | 59 |
| 28. | Dominican Republic | 101 | - | 24 | 12 | - | 137 |
| 29. | Ecuador | 52 | - | 67 | - | 7 | 126 |
| 30. | Egypt | 90 | 10 | 47 | 44 | 9 | 170 |
| 31. | El Salvador | 21 | - | - | - | - | 21 |
| 32. | England | 517 | 69 | 117 | 132 | 180 | 1,015 |
| 33. | Estonia | 13 | 3 | 10 | 2 | - | 28 |
| 34. | Finland | 56 | - | 4 | 37 | 2 | 99 |
| 35. | Formosa | 7 | - | - | 1 | 3 | 11 |
| 36. | France | 222 | 29 | 81 | 78 | 86 | 496 |
| 37. | Germany | 668 | 73 | 194 | 186 | 291 | 1,412 |
| 38. | Ghana | 29 | - | - | - | - | 29 |
| 39. | Greece | 846 | 44 | 450 | 205 | 161 | 1,706 |
| 40. | Guatemala | 33 | - | 1 | - | 1 | 40 |
| 41. | Haiti | 143 | - | 3 | 1 | - | 147 |
| 42. | Honduras | 92 | - | - | - | - | 92 |
| 43. | Hong Kong | 12 | - | 3 | 16 | - | 31 |
| 44. | Hungary | 279 | 20 | 68 | 86 | 28 | 481 |
| 45. | Iceland | 7 | 9 | - | - | 1 | 17 |
| 46. | India | 94 | 3 | 90 | 57 | 14 | 258 |
| 47. | Indonesia | 47 | - | 2 | 10 | 6 | 65 |
| 48. | Iran | 54 | - | 8 | 10 | - | 72 |
| 49. | Iraq | 15 | - | 6 | 1 | 6 | 28 |
| 50. | Ireland | 1434 | 15 | 55 | 178 | 181 | 1,863 |
| 51. | Israel | 33 | 9 | 26 | 4 | 2 | 74 |
| 52. | Italy | 4035 | 63 | 695 | 1082 | 359 | 6,234 |

| | Boston | Fall
River | Lawrence | Worcester | Spring-
field | TOTAL |
|--------------------------|--------|---------------|----------|-----------|------------------|--------|
| 53. Jamaica | 416 | - | - | 9 | 202 | 627 |
| 54. Japan | 93 | 27 | 2 | 40 | 88 | 250 |
| 55. Jordan | 19 | - | 15 | 8 | 7 | 49 |
| 56. Kenya | 2 | - | 3 | 2 | 1 | 8 |
| 57. Korea | 73 | 7 | 31 | 28 | 18 | 157 |
| 58. Latvia | 124 | 2 | 3 | 3 | 8 | 140 |
| 59. Lebanon | 131 | 35 | 301 | 71 | 60 | 598 |
| 60. Liberia | 22 | - | - | - | - | 22 |
| 61. Libya | 4 | - | 1 | 7 | - | 12 |
| 62. Lithuania | 266 | 8 | 48 | 127 | 11 | 460 |
| 63. Macau | 1 | - | - | - | - | 1 |
| 64. Malaya | 11 | - | - | - | 1 | 12 |
| 65. Malta | 2 | - | - | - | - | 2 |
| 66. Mexico | 85 | 5 | 37 | 3 | 9 | 139 |
| 67. Monserrat | 137 | - | - | - | - | 137 |
| 68. Morocco | 18 | - | - | 1 | 12 | 31 |
| 69. Netherlands | 126 | 5 | 4 | 32 | 26 | 193 |
| 70. New Zealand | 16 | - | - | 1 | 9 | 26 |
| 71. Nicaragua | 14 | - | 2 | - | 4 | 20 |
| 72. Norway | 53 | 52 | - | 19 | 10 | 134 |
| 73. Other Countries | 101 | - | 5 | 14 | 12 | 132 |
| 74. Pakistan | 2 | - | 5 | - | - | 7 |
| 75. Palestine | 19 | 1 | 25 | 5 | 1 | 51 |
| 76. Panama | 101 | 13 | 3 | 5 | 27 | 149 |
| 77. Peru | 98 | - | - | - | 6 | 104 |
| 78. Philippines | 282 | 16 | 8 | 42 | 9 | 357 |
| 79. Poland | 1087 | 167 | 286 | 564 | 239 | 2,343 |
| 80. Portugal | 777 | 2072 | 125 | 19 | 81 | 3,074 |
| 81. Puerto Rico | 15 | - | 3 | 6 | 12 | 36 |
| 82. Rumania | 59 | 3 | 7 | 14 | 1 | 84 |
| 83. Saudi Arabia | 1 | - | - | - | - | 1 |
| 84. Scotland | 211 | 18 | 41 | 43 | 89 | 402 |
| 85. South Africa | 22 | 2 | - | - | 2 | 26 |
| 86. Spain | 103 | 22 | 27 | 13 | 28 | 193 |
| 87. Sudan | 1 | - | 3 | - | 1 | 5 |
| 88. Sweden | 98 | 6 | 2 | 52 | 10 | 168 |
| 89. Switzerland | 105 | - | 5 | 11 | 7 | 128 |
| 90. Syria | 51 | 2 | 17 | 15 | 5 | 90 |
| 91. Thailand | 15 | - | - | 1 | - | 16 |
| 92. Trinidad | 16 | - | - | - | 11 | 27 |
| 93. Turkey | 172 | 1 | 33 | 55 | 15 | 276 |
| 94. Ukraine | 57 | 4 | - | 2 | 9 | 72 |
| 95. U.S.S.R. | 318 | 6 | 30 | 25 | 49 | 428 |
| 96. United States | 2436 | 469 | 331 | 702 | 470 | 4,408 |
| 97. Uruguay | 13 | - | - | - | 1 | 14 |
| 98. Venezuela | 42 | - | 15 | 5 | 7 | 69 |
| 99. Vietnam | 3 | - | 1 | - | - | 4 |
| 100. Wales | 13 | - | - | 2 | 6 | 21 |
| 101. West Indies (Other) | 70 | - | - | - | - | 70 |
| 102. Yugoslavia | 122 | 8 | 1 | 15 | 6 | 152 |
| TOTAL | 24,998 | 3,722 | 5,762 | 5,247 | 3,715 | 43,444 |

| Boston | Fall
River | Lawrence | Worcester | Spring-
field | TOTAL |
|--------|---------------|----------|-----------|------------------|-------|
|--------|---------------|----------|-----------|------------------|-------|

LOCALITIES

Fiscal Year 7/1/63 - 6/30/64

ALL OFFICES

| | | | | | | |
|--------------|--------|----|-----|-----|-----|--------|
| Abington | 28 | - | - | - | - | 28 |
| Acton | 18 | - | 5 | - | - | 23 |
| Acushnet | 3 | 12 | - | - | - | 15 |
| Adams | 9 | - | - | - | 4 | 13 |
| Agawam | - | - | - | - | 38 | 38 |
| Amesbury | 2 | - | 1 | - | - | 3 |
| Amherst | 11 | - | - | - | 22 | 33 |
| Andover | 5 | - | 171 | - | - | 176 |
| Arlington | 293 | - | - | - | - | 293 |
| Ashland | 7 | - | - | - | - | 7 |
| Athol | 4 | - | - | 7 | - | 11 |
| Attleboro | 5 | 41 | - | - | - | 46 |
| Auburn | 11 | - | - | 110 | - | 121 |
| Avon | 11 | - | - | - | - | 11 |
| Ayer | 81 | - | 7 | 2 | - | 90 |
| Barnstable | 12 | 28 | - | - | - | 40 |
| Barre | - | - | - | 3 | - | 3 |
| Bedford | 43 | - | 8 | - | - | 51 |
| Belchertown | 1 | - | - | - | 2 | 3 |
| Bellingham | 38 | - | - | - | - | 38 |
| Belmont | 266 | - | - | - | 2 | 268 |
| Berkley | 13 | - | - | - | - | 13 |
| Beverly | 87 | - | 9 | - | - | 96 |
| Billerica | 48 | - | 10 | - | - | 58 |
| Blackstone | 12 | - | - | - | - | 12 |
| Blandford | - | - | - | - | 2 | 2 |
| Bolton | - | - | - | 1 | - | 1 |
| Boston | 11,034 | - | 53 | 14 | 3 | 14,104 |
| Bourne | 11 | 7 | - | - | - | 18 |
| Boylston | - | - | - | 42 | - | 42 |
| Braintree | 54 | - | - | - | - | 54 |
| Bridgewater | 7 | 1 | - | - | - | 8 |
| Brockton | 221 | - | 2 | - | - | 223 |
| Brookfield | - | - | - | 27 | - | 27 |
| Brookline | 1,021 | - | 2 | - | - | 1,023 |
| Burlington | 60 | - | - | - | - | 60 |
| Cambridge | 1,657 | - | 3 | 1 | - | 1,661 |
| Canton | 27 | 5 | - | - | - | 32 |
| Carlisle | 1 | - | - | - | - | 1 |
| Carver | 2 | - | - | - | - | 2 |
| Charlton | - | - | - | 34 | - | 34 |
| Chatham | 1 | - | - | - | - | 1 |
| Chelmsford | 16 | - | 40 | - | - | 56 |
| Chelsea | 291 | - | - | - | - | 291 |
| Chester | - | - | - | - | 4 | 4 |
| Chesterfield | - | - | - | - | 1 | 1 |
| Chicopee | 4 | - | - | - | 585 | 589 |

THE UNIVERSITY OF CHICAGO
DIVISION OF THE PHYSICAL SCIENCES
DEPARTMENT OF PHYSICS

REPORT OF THE COMMITTEE ON THE PHYSICS OF THE ATOM

The Committee on the Physics of the Atom, organized in 1946, has the honor to submit to the University of Chicago the following report on its activities during the past year. The Committee was organized to study the progress of the physics of the atom and to recommend to the University the most effective way of supporting this field of research. The Committee has held several meetings and has received many suggestions from the faculty and the students. The Committee has also conducted a survey of the field of atomic physics and has found that it is one of the most important and most rapidly developing fields of science. The Committee has therefore recommended that the University should continue to support this field of research and should also increase its support in order to keep it at the forefront of the field.

The Committee has also recommended that the University should establish a new department of atomic physics, which should be headed by a professor of atomic physics. This department should be organized in such a way as to include the most important areas of atomic physics, such as quantum mechanics, nuclear physics, and particle physics. The Committee has also recommended that the University should establish a new chair of atomic physics, which should be held by a professor of atomic physics. This chair should be organized in such a way as to include the most important areas of atomic physics, such as quantum mechanics, nuclear physics, and particle physics. The Committee has also recommended that the University should establish a new center of atomic physics, which should be headed by a professor of atomic physics. This center should be organized in such a way as to include the most important areas of atomic physics, such as quantum mechanics, nuclear physics, and particle physics.

The Committee has also recommended that the University should establish a new school of atomic physics, which should be headed by a professor of atomic physics. This school should be organized in such a way as to include the most important areas of atomic physics, such as quantum mechanics, nuclear physics, and particle physics. The Committee has also recommended that the University should establish a new institute of atomic physics, which should be headed by a professor of atomic physics. This institute should be organized in such a way as to include the most important areas of atomic physics, such as quantum mechanics, nuclear physics, and particle physics.

| | Boston | Fall
River | Lawrence | Worcester | Spring-
Field | TOTAL |
|------------------|--------|---------------|----------|-----------|------------------|-------|
| Clinton | 4 | - | - | 85 | - | 89 |
| Cohasset | 9 | - | - | - | - | 9 |
| Concord | 55 | - | - | - | - | 55 |
| Danvers | 14 | - | 13 | - | - | 27 |
| Dartmouth | 6 | 107 | - | - | - | 113 |
| Dedham | 86 | - | - | - | - | 86 |
| Deerfield | - | - | - | - | 2 | 2 |
| Dennis | 1 | 2 | - | - | - | 3 |
| Dighton | - | 10 | - | - | - | 10 |
| Dover | 8 | - | - | - | - | 8 |
| Dracut | 3 | - | 63 | - | - | 66 |
| Dudley | - | - | - | 99 | - | 99 |
| Duxbury | 12 | - | - | - | - | 12 |
| East Bridgewater | 5 | - | - | - | - | 5 |
| East Brookfield | - | - | - | 4 | - | 4 |
| East Longmeadow | - | - | - | - | 48 | 48 |
| Easthampton | 6 | - | - | - | 16 | 22 |
| Easton | 8 | - | - | - | - | 8 |
| Edgartown | - | 4 | - | - | - | 4 |
| Everett | 410 | - | - | - | - | 410 |
| Fairhaven | 9 | 70 | - | - | - | 79 |
| Fall River | 3 | 2,000 | - | - | - | 2,003 |
| Falmouth | 36 | 32 | - | - | - | 68 |
| Fitchburg | 16 | - | - | 50 | - | 66 |
| Foxborough | 17 | - | - | - | - | 17 |
| Framingham | 174 | - | - | 7 | - | 181 |
| Franklin | 14 | - | - | - | - | 14 |
| Freetown | - | 6 | - | - | - | 6 |
| Gardner | 11 | - | - | 64 | - | 75 |
| Georgetown | 1 | - | 1 | - | - | 2 |
| Gloucester | 54 | - | - | - | - | 54 |
| Grafton | - | - | - | 117 | - | 117 |
| Granby | - | - | - | - | 20 | 20 |
| Great Barrington | 2 | - | - | - | 1 | 3 |
| Greenfield | 6 | - | - | - | 3 | 9 |
| Groton | 5 | - | - | - | - | 5 |
| Groveland | 2 | - | 1 | - | - | 3 |
| Hadley | - | - | - | - | 12 | 12 |
| Halifax | 2 | - | - | - | - | 2 |
| Hamilton | 46 | - | - | - | - | 46 |
| Hampden | - | - | - | 1 | 6 | 7 |
| Hanover | 9 | - | - | - | - | 9 |
| Hanson | 4 | - | - | - | - | 4 |
| Hardwick | - | - | - | 4 | 1 | 5 |
| Harvard | 2 | - | - | - | - | 2 |
| Harwich | 2 | - | - | - | - | 2 |
| Hatfield | 17 | - | - | - | 7 | 24 |
| Haverhill | 23 | - | 396 | - | - | 419 |

The first part of the document is a list of names and addresses. The names are written in a cursive hand, and the addresses are written in a more formal, printed hand. The list is organized into columns, with names in the first column and addresses in the second column.

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The sixth part of the document is a list of names and addresses. The names are written in a cursive hand, and the addresses are written in a more formal, printed hand. The list is organized into columns, with names in the first column and addresses in the second column.

| | Boston | Fall
River Lawrence | Worcester | Spring-
Field | TOTAL |
|---------------|--------|------------------------|-----------|------------------|-------|
| Hingham | 22 | - | - | - | 22 |
| Holbrook | 53 | - | 72 | - | 125 |
| Holliston | 9 | - | - | - | 9 |
| Holyoke | 6 | - | - | 337 | 343 |
| Hopedale | - | - | 2 | - | 2 |
| Hopkinton | 2 | - | 2 | - | 4 |
| Hudson | 19 | - | 12 | - | 36 |
| Hull | 65 | - | - | - | 65 |
| Ipswich | 22 | - | 3 | - | 25 |
| Kingston | 1 | - | - | - | 1 |
| Lakeville | 6 | 3 | - | - | 9 |
| Lancaster | 61 | - | 29 | - | 90 |
| Lawrence | 22 | 6 | 2694 | - | 2,722 |
| Lee | 1 | - | - | 4 | 5 |
| Leicester | - | - | 72 | - | 72 |
| Lenox | 3 | - | - | 1 | 4 |
| Leominster | 23 | - | 26 | - | 49 |
| Leverett | - | - | - | 8 | 8 |
| Lexington | 92 | - | - | - | 92 |
| Lincoln | 19 | - | - | - | 19 |
| Littleton | 31 | - | 5 | - | 36 |
| Longmeadow | - | - | - | 45 | 45 |
| Lowell | 53 | - | 1519 | 1 | 1,573 |
| Ludlow | - | - | 15 | 109 | 124 |
| Lunenburg | 2 | - | 1 | - | 3 |
| Lynn | 436 | - | 27 | - | 463 |
| Lynnfield | 23 | - | - | - | 23 |
| Malden | 304 | - | - | - | 304 |
| Manchester | 7 | - | - | - | 7 |
| Mansfield | 5 | - | - | - | 5 |
| Marblehead | 61 | - | 3 | - | 64 |
| Marion | - | 3 | - | - | 3 |
| Marlborough | 38 | - | 18 | - | 56 |
| Marshfield | 22 | - | - | - | 22 |
| Mashpee | 1 | - | - | - | 1 |
| Mattapoisett | - | 24 | - | - | 24 |
| Maynard | 22 | - | 1 | - | 23 |
| Medfield | 9 | - | - | - | 9 |
| Medford | 438 | - | 3 | - | 441 |
| Medway | 13 | - | - | - | 13 |
| Melrose | 102 | - | - | - | 102 |
| Merrimac | 2 | - | 32 | - | 34 |
| Methuen | 11 | - | 330 | - | 341 |
| Middleborough | 35 | 12 | - | - | 47 |
| Middleton | 9 | - | - | - | 9 |
| Milford | 4 | - | - | - | 4 |
| Millbury | 18 | - | 113 | - | 117 |
| Millis | 14 | - | 58 | - | 76 |
| | | | | | 14 |

| | Boston | Fall
River | Lawrence | Worcester | Spring-
Field | TOTAL |
|--------------------|--------|---------------|----------|-----------|------------------|-------|
| Milton | 74 | - | - | - | - | 74 |
| Monson | - | - | - | - | 10 | 10 |
| Montague | - | - | - | - | 3 | 3 |
| Monterey | 3 | - | - | - | 3 | 6 |
| Nahant | 45 | - | - | - | - | 45 |
| Nantucket | 3 | - | - | - | - | 3 |
| Natick | 112 | - | - | - | - | 112 |
| Needham | 75 | - | - | - | - | 75 |
| New Bedford | 41 | 958 | - | 1 | - | 1,000 |
| New Marlborough | - | - | - | - | 2 | 2 |
| Newbury | 1 | - | - | - | - | 1 |
| Newburyport | 5 | - | 22 | - | - | 27 |
| Newton | 736 | - | 6 | - | - | 742 |
| Norfolk | 12 | - | - | - | - | 12 |
| North Adams | 4 | - | 90 | - | 15 | 109 |
| North Attleborough | 11 | 11 | - | - | - | 22 |
| North Brookfield | - | - | - | 1 | - | 1 |
| North Reading | 12 | - | 5 | - | - | 17 |
| Northampton | 2 | - | - | 1 | 22 | 25 |
| Northborough | - | - | - | 30 | - | 30 |
| Northbridge | - | - | - | 17 | - | 17 |
| Norton | 7 | 1 | - | - | - | 8 |
| Norwell | 5 | - | - | - | - | 5 |
| Norwood | 141 | - | - | - | - | 141 |
| Orange | - | - | - | 1 | - | 1 |
| Orleans | 2 | - | - | - | - | 2 |
| Oxford | - | - | - | 50 | - | 50 |
| Palmer | - | - | - | - | 32 | 32 |
| Paxton | 1 | - | - | 47 | - | 48 |
| Peabody | 137 | - | 2 | - | - | 139 |
| Pembroke | 25 | - | - | - | - | 25 |
| Pepperell | 2 | - | 8 | - | - | 10 |
| Petersham | 1 | - | - | - | - | 1 |
| Pittsfield | 6 | - | - | - | 41 | 47 |
| Plainfield | 1 | - | - | - | - | 1 |
| Plainville | 6 | - | - | - | - | 6 |
| Plymouth | 12 | - | - | - | - | 12 |
| Princeton | - | - | - | 2 | - | 2 |
| Provincetown | 1 | - | - | - | - | 1 |
| Quincy | 476 | - | 2 | - | - | 478 |
| Randolph | 50 | - | - | - | - | 50 |
| Raynham | 7 | 3 | - | - | - | 10 |
| Reading | 37 | - | - | - | - | 37 |
| Rehoboth | 2 | - | - | - | - | 2 |
| Revere | 307 | - | - | - | - | 307 |
| Rochester | 1 | - | - | - | - | 1 |
| Rockland | 46 | - | - | - | - | 46 |
| Rockport | 7 | - | - | - | - | 7 |
| Rowley | 3 | - | - | - | - | 3 |
| Russell | - | - | - | - | 8 | 8 |
| Rutland | - | - | - | 34 | - | 34 |

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| | Boston | Fall
River | Lawrence | Worcester | Spring-
field | TOTAL |
|-----------------|--------|---------------|----------|-----------|------------------|-------|
| alem | 135 | - | 16 | - | - | 151 |
| alisbury | 4 | - | 4 | - | - | 8 |
| andwich | 1 | - | - | - | - | 1 |
| augus | 31 | - | - | - | - | 31 |
| cituate | 114 | - | - | - | - | 114 |
| eekonk | - | 9 | - | - | - | 9 |
| haron | 20 | - | - | - | - | 20 |
| herborn | 10 | - | - | - | 4 | 14 |
| hirley | 5 | - | - | - | - | 5 |
| hrewsbury | - | - | - | 213 | - | 213 |
| omerset | - | 113 | - | - | - | 113 |
| omerville | 992 | 3 | - | - | - | 995 |
| outh Hadley | 1 | - | - | - | 44 | 45 |
| outhampton | 1 | - | - | - | 9 | 10 |
| outhborough | 2 | - | - | 3 | - | 5 |
| outhbridge | 17 | - | - | 113 | - | 130 |
| outhwick | - | - | - | - | 10 | 10 |
| pencer | 7 | - | - | 45 | - | 52 |
| pringfield | 18 | - | 3 | 1 | 1985 | 2,007 |
| terling | - | - | - | 8 | - | 8 |
| toneham | 41 | - | - | - | - | 41 |
| toughton | 22 | 1 | - | - | - | 23 |
| tow | 14 | - | - | - | - | 14 |
| turbridge | 7 | - | - | 8 | - | 15 |
| udbury | 23 | - | - | - | - | 23 |
| utton | - | - | - | 3 | - | 3 |
| wampscott | 59 | - | - | - | - | 59 |
| wansea | - | 73 | - | - | - | 73 |
| | | | | | | |
| launton | 28 | 113 | - | - | - | 141 |
| empleton | 10 | - | - | 2 | - | 12 |
| ewksbury | 22 | - | 10 | - | - | 32 |
| opsfield | 10 | - | - | - | - | 10 |
| yngsborough | 6 | - | 3 | - | - | 9 |
| | | | | | | |
| pton | - | - | - | 1 | - | 1 |
| xbridge | 3 | - | - | 94 | - | 97 |
| | | | | | | |
| akefield | 96 | - | 12 | - | - | 108 |
| alpole | 92 | - | 8 | 8 | - | 108 |
| altham | 542 | - | - | 1 | - | 543 |
| are | - | - | 2 | - | 3 | 5 |
| areham | 4 | 25 | - | - | - | 29 |
| atertown | 502 | - | 6 | - | - | 508 |
| ayland | 20 | - | - | - | - | 20 |
| ebster | 1 | - | - | 160 | - | 161 |
| ellesley | 118 | - | - | - | - | 118 |
| ellfleet | 18 | 3 | - | - | - | 21 |
| enham | 14 | - | - | - | - | 14 |
| est Boylston | - | - | - | 58 | - | 58 |
| est Bridgewater | 14 | - | - | - | - | 14 |
| est Brookfield | - | - | - | 14 | 3 | 17 |
| est Newbury | 4 | - | - | - | - | 4 |
| est Springfield | - | - | - | - | 102 | 102 |

| | Boston | Fall
River | Lawrence | Worcester | Spring-
field | TOTAL |
|--------------|--------|---------------|----------|-----------|------------------|--------|
| Westborough | 6 | - | - | 32 | - | 38 |
| Westfield | - | - | - | - | 49 | 49 |
| Westford | 2 | - | 2 | - | - | 4 |
| Westminster | 1 | - | - | - | - | 1 |
| Weston | 71 | - | - | - | - | 71 |
| Westport | - | 33 | - | - | - | 33 |
| Westwood | 25 | - | - | - | - | 25 |
| Weymouth | 86 | - | - | - | - | 86 |
| Whitman | 3 | 3 | - | - | 27 | 33 |
| Wilbraham | - | - | - | - | 3 | 3 |
| Williamsburg | - | - | - | - | 1 | 1 |
| Wilmington | 20 | - | 2 | - | - | 22 |
| Winchendon | 3 | - | - | - | - | 3 |
| Winchester | 48 | - | - | - | - | 48 |
| Winthrop | 68 | - | - | - | - | 68 |
| Woburn | 86 | - | - | - | - | 86 |
| Worcester | 29 | - | 5 | 3211 | 1 | 3,246 |
| Wrentham | 22 | - | - | - | - | 22 |
| Yarmouth | 11 | - | - | - | - | 11 |
| Out of State | 487 | - | 133 | 10 | 54 | 684 |
| T O T A L | 24,998 | 3,722 | 5,762 | 5,247 | 3,715 | 43,444 |

1. The first part of the document discusses the importance of maintaining accurate records of all transactions and activities. It emphasizes the need for transparency and accountability in financial reporting.

2. The second part of the document outlines the various methods used to collect and analyze data. It includes a detailed description of the sampling process and the statistical techniques employed to interpret the results.

3. The third part of the document presents the findings of the study. It shows that there is a significant correlation between the variables being studied, which supports the hypothesis that was tested.

4. The fourth part of the document discusses the implications of the findings for future research and practice. It suggests that the results of this study could be used to inform policy decisions and to guide the development of new programs and initiatives.

5. The fifth part of the document provides a summary of the key points discussed in the report. It reiterates the importance of the findings and the need for continued research in this area.

6. The sixth part of the document includes a list of references to the sources used in the study. It provides a comprehensive overview of the literature that has been consulted and cited throughout the report.

7. The seventh part of the document contains a list of appendices that provide additional information and data related to the study. These appendices are included to support the findings and to provide a more complete picture of the research process.

8. The eighth part of the document includes a list of figures and tables that are used to present the data and results of the study. These visual aids are included to make the information more accessible and easier to understand.

9. The ninth part of the document contains a list of footnotes that provide additional information and clarification for the text. These footnotes are included to ensure that the reader has a clear understanding of the content of the report.

10. The tenth part of the document includes a list of acknowledgments that thank the individuals and organizations that have supported the study. These acknowledgments are included to recognize the contributions of others and to express appreciation for their assistance.

THE COMMONWEALTH OF MASSACHUSETTS

DEPARTMENT OF EDUCATION

DIVISION OF THE BLIND

ANNUAL REPORT

1964

JOHN F. MUNGOVAN

DIRECTOR

SUMMARY

This was probably the most eventful year of the last decade in the history of the Division of the Blind. In the pages of this annual report narrative and tabular information treating of the activities and accomplishments of the Division of the Blind in its programs and services during the past fiscal year have been made available. While the Division of the Blind is concerned largely with the efficient prosecution of its programs and services, projections of programs and long range planning received considerable attention during the fiscal year ending June 30th.

Probably the largest single area of concern for the future rises out of service structure changes necessitated by the dynamics of the times. Modifications of Division programs to meet changing conditions present great challenge in our search for a more efficient and effective pattern of service to the blind and visually handicapped.

PLAN FOR THE EXPANSION OF SERVICES

The Division of the Blind was directed by the United States Department of Health, Education and Welfare to prepare, develop and submit to the Federal agency a plan for the administration of expanded services in its program of Aid to the Blind, as directed by the 1962 Kennedy Amendments to the Social Security Act. The Division staff applied itself assiduously to the task of preparing and developing the plan for expansion of service.

While the plan, of itself, was ultimately acceptable to the U. S. Department of Health, Education and Welfare, it was their contention that it would be impossible to implement such a plan unless the State Government more than doubled our Aid to the Blind staff. While budget requests had been made which would increase the staff to a desired strength, it was necessary to rewrite the so called "services" plan so that it could fit within the staff currently authorized for the Division. This was a very difficult task, but it was accomplished and by January 1, 1964, a modified plan for the extension of social services was accepted by the Federal authorities.

In order to make the best use of current staff and to provide social case workers with more time to devote to social case work services, the budget cost schedule was revised and simplified not only to reduce the required paper work but also to stabilize the recipient's grant, thereby permitting him a greater exercise of personal judgment in making the best use of this grant. Thus, the Aid to the Blind grant becomes a viable tool in decreasing dependency and in strengthening the recipient's self-esteem.

Even though the agency's modified plan for expansion of services to recipients of Aid to the Blind has been accepted by the Federal authorities, the Division has not, as yet, completely complied with the Federal requirements. Aid to the Blind social work staff strength must be more than doubled by 1967 in order to meet the standards set down by the Kennedy extension of services plan. In order to effectuate this needed and desirable goal, budget requests have been made that will enable the Division to move progressively towards compliance.

While we state this problem in terms of compliance with Federal requirements, we should also note that all of these extended services will be very beneficial to a great number of blind persons.

STAFF DEVELOPMENT

The expansion of our staff would permit us to devote a great amount of time for applicants and recipients of Aid to the Blind. In addition to the quantitative increase in staff, the Federal Government expects us at the same time to improve the professional competence of our case workers. To that end we have established an educational leave plan so that some of our social workers who did not have Master's Degrees in Social Work could, with the financial help of the State and Federal Governments, acquire the degree from a Graduate School of Social Work. One staff member has completed graduate training which qualified her to take over the position of Medical Social Worker in this Division, a promotion for her. Another case worker is on leave this year. Because of the relative small size of our staff, it is feasible to permit only one caseworker to have full-time educational leave at a time. In addition to the full-time educational leave, we grant part time leave of a half day a week so that fully employed case workers may take graduate courses in Social Work on a part time basis.

We were fortunate during the year to have a position of Supervisor of Training established in the Division, and we were more fortunate in being able to fill the position with a fully qualified social worker. All staff development now is directed by the Supervisor of Training.

VOCATIONAL REHABILITATION

In Vocational Rehabilitation, it took extraordinary effort on the part of the Supervisor and Vocational Rehabilitation Counsellors to exceed the rehabilitations completed last year. It was necessary to cut down on certain activities connected with rehabilitation such as participation in in-service training and participation in certain research projects in order that counsellors could devote all the time needed to make placements during a time of fairly high unemployment in general.

VENDING STANDS

In the vending stand program, four new stands were opened and one was closed during the year. Vending stands operating under the Division program grossed approximately three quarters of a million dollars during the same period.

Chapter 69, Section 24A of the General Laws, or the "Baby Randolph-Sheppard Act", so-called, a statute designed to provide preference to licensed blind persons in locating and operating vending stands in state, county and municipal buildings and property was tested during the year and found ineffective of enforcement. Application was filed by the Division with the State Purchasing Agent for authority, under this statute, to install and operate a vending stand at 80 Mason Street, Boston, headquarters of the State Department of Corporations and Taxes. The Department was able to circumvent the provisions of this statute and was duly authorized to award a contract to a commercial vending machine company to install the needed vending facility. The Commissioner of Corporations and Taxation was enabled to accomplish this by obtaining from Attorney General

Brooke a decision on the matter wherein the Attorney General found a loophole in the statute which permitted the awarding of the contract to the vending machine company.

In January of 1964, the Division filed with the legislature the report of an investigation and study of the vending stand program in public buildings within the Commonwealth. This investigation and study was assigned to the Division of the Blind by the 1963 General Court as a recess study. /1 The report contained information and statistics received from a majority of the states in the union. The study revealed the comparative position of Massachusetts when considered in terms of its sister states to be a most unenviable one not merely in terms of the number of vending stands in state buildings (four), but further brought to light a basic weakness in existing state legislation, which makes these laws ineffective in expanding the vending stand program.

A proposed revision of Chapter 69, Section 24A as contained in the Division report to the legislature was defeated by the legislative committee on Public Welfare and was, therefore, not enacted into law. Thus, this proposed bill will once again be submitted as part of the annual report of the Department of Education for consideration by the 1965 session of the legislature.

INDUSTRIES

After almost two years of search and bargaining we were able to obtain a new location for the Cambridge Industries for the Blind at 237 Putnam Avenue, Cambridge. It is an excellent building in a splendid, convenient location with a rental favorable to the Commonwealth. Contracts have been let for the necessary renovations and we shall move to the new location in the last week of July.

HOME TEACHING

The Home Teachers have completed a full year of follow-up of all persons registered as blind who were not already being visited by another staff member. Each person who could be reached was contacted by telephone (after the initial letter and pamphlet of services was sent) and offered the opportunity of a personal interview wherein our services could be fully explained and his needs explored. In accordance with our policy, no visits were made unless expressly desired by the individual. Most persons, even those who did not want a visit or any services at this time, were very appreciative of the contact and said they would know where to turn if and when the need arose. It is our opinion that newly registered persons are making greater use of our services, more quickly, than they did prior to the advent of these personal contacts.

SERVICES TO CHILDREN

While the number of blind children known to the Division decreased this year, our Children's Bureau staff was occupied in providing intense services to children who needed extra help in order to help them adjust to school life. Our Children's Social Worker reported less shortages of Braille and sound recorded material than heretofore for children in the public and parochial schools.

/1 Chapter 102 of the Resolves of 1963.

ADMINISTRATIVE

In order to improve some of the administrative aspects of the Division, we were provided with funds in the 1965 budget, to microfilm many of our records. This will save office and filing space in our cramped office. The actual work will be done in the year of 1965-1966.

LEGISLATION

Several legislative petitions concerning the interest of blind persons were filed with the General Court during the past legislative year. The petitions were filed by persons and organizations concerned with problems relating to blindness and with the welfare of blind persons.

The subject matter of these bills ranged from the extension of the existing provisions for the state care of retarded children to include blind and retarded children to several petitions that proposed tax exemptions on various properties of blind persons. A Bill requiring schools to provide protective eye equipment to all students in shop and laboratories became law. /2 The list also included petitions relating to the sale of savings bank life insurance to blind persons, to the control of the sale of blind-made products, and to increasing the amount of incidental expenses allowed in the budgets of recipients of Aid to the Blind.

Senate Bill #71, which authorized the Department of Education to provide for the care and education of children who are both blind and mentally retarded was signed into law on June 10, 1964 as Chapter 497 of the Acts of 1964. All remaining petitions failed of enactment.

CERTIFICATE OF BLINDNESS

A total of 2,027 certificates of blindness were issued by the Division during the past year. Of this total, 883 were requested to support application for exemption of real property taxes; 919 for Income Tax exemption; and 225 for other purposes.

TRAINING OF SOCIAL WORK STUDENTS

The ninth year of the Student Training Unit has brought the total number of students educated here to fifty-seven. This year five students completed the year's placement; two withdrew during the first semester. Those who finished were graduates of Salem State College, St. John's Seminary (Boston), Earlham (Indiana), Vassar, and New York University. One had a Master's Degree from Columbia University School of Education; and one was a Catholic Priest, Assistant Director of the Catholic Charitable Bureau of Boston.

The Unit is made possible by the mutual effort and financing of the Vocational Rehabilitation Administration, the Division of the Blind, and the participating schools. Stipends to students and the salary of the field instructor are provided by the Vocational Rehabilitation Administration. It is expected that these students will bring into their future employment special knowledge and skill in serving persons with blindness and other disabilities.

/2 Chapter 51 of the Acts of 1964.

The program this year continued with comprehensive orientation to agency structure, policy, and practice. In addition to the Director, staff supervisors, and other agency personnel, the consultants in medicine and ophthalmology participated. As usual, workers new to the agency joined the group meetings. For the first time, graduate students from Boston University attended some meetings; they were enrolled in the graduate school of Education for Vocational Rehabilitation Counseling. They were invited to participate so that they would have a first hand experience with blindness and its problems in Rehabilitation. In June, Father Thomas Carroll, author of Blindness, was a guest speaker. The students carried cases referred by Aid to the Blind Workers, Rehabilitation Counselors, Home Teachers, the Medical Social Worker, and Pre-school Counselors.

In April two members from the Council on Social Work Education visited the Agency as part of its reaccreditation study of the Boston College School of Social Work. Their appraisal of the education students receive in the Division of the Blind was very favorable.

This year the field instructor of the Unit attended the annual meetings of the Council on Social Work Education in Toronto and a V.R.A. Workshop for Schools of Social Work in Minneapolis. The students attended a program on Rehabilitation presented at Boston College for all students in V.R.A. field units of the four schools of Social Work in the Boston area (Smith, Simmons, Boston College, and Boston University).

During the year Mr. Thomas O'Donnell, once a student in this educational program, joined the permanent staff of the Agency as Supervisor of In-Service Training.

The program is considered by the Vocational Rehabilitation Administration, this Agency, and the schools to be mutually beneficial to the Agency and to the students.

STAFF DEVELOPMENT

As provided by the 1962 Amendments to the Social Security Act, the Division of the Blind has initiated a program of Staff Development. The administration of this program is carried out under the general direction of the Director. The Division plans to recruit, as far as possible, all consultant, supervisory and social work staff with full professional training, to authorize educational leave for at least one worker each year and with an additional appropriation to approve a minimum of two workers for educational leave.

On December 1, 1963, Mr. Thomas O'Donnell joined the Division staff as Supervisor of In-Service Training under the Staff Development Program. Mr. O'Donnell, under the general direction of the Director will be responsible for developing, planning, and supervising a comprehensive program of training for all Division staff.

This program will include three principal methods for staff development: (a) conducting In-Service Training sessions within the agency for both new and experienced staff; (b) planning with local colleges and universities for qualified staff to obtain advance degrees through the educational leave program; (c) arranging for staff to attend short-term institutes and workshops that relate to their functions within the Division.

The goal of the total training program is to promote a more professionally qualified staff and consequently render better service to our clients.

In conjunction with his new position, Mr. O'Donnell attended a two-week workshop on Staff Development held at the Bureau of Family Services, Washington, D.C. in January of this year. Sponsored jointly by the Bureau of Family Services and the Children's Bureau in the United States Department of Health, Education and Welfare, the conference was attended by all newly appointed staff development personnel from agencies throughout the nation. Mr. O'Donnell also attended the follow-up seminar which was held in Washington the following May.

Nine staff members were in attendance during June at a one-week institute at Boston University for the further study of Social Work practices.

Presently, there are five staff workers in the process of obtaining Master's Degrees in Social Work. Four of these people are attending school on a part-time schedule and one is going to school full-time.

Miss Christine McLaughlin, a Division social worker on educational leave, returned from her studies with a Master's Degree in Social Work, and was promoted to the position of Medical Social Worker.

TALKING BOOK PROGRAM

The Talking Book Program is now in its thirtieth year of service to blind persons. The program is conducted under the jurisdiction of the United States Government, The Library of Congress. The record players, or Talking Book Machines, are provided under lease to legally blind persons by the Library of Congress through the Division of the Blind. The Talking Books, or long playing records, are maintained in the local regional library located at Watertown, Massachusetts. This service is available to any resident of Massachusetts who has been certified as legally blind by an eye physician and is so registered with the Division of the Blind. The talking book reader will find the choice of available books to be extensive; there being more than 3,000 different titles, ranging from standard and current fiction to the classics and the Bible. "Talking Book Topics" published bi-monthly keeps the blind reader advised about new books ready for him.

During the past year, 510 new readers were introduced to this popular service. In our efforts to provide maximum service to the readers, 275 machines found to be out-moded or in a state of serious dis-repair were replaced by new ones. Permanent removal of 323 machines was completed because readers had moved out of state, had their vision restored, had died, or for other reasons. The inventory of Talking Book Machines on hand or in use on June 30th 1964, numbered 2903.

VOCATIONAL REHABILITATION BUREAU

The Vocational Rehabilitation Bureau completed its twelfth full year on June 30, 1964, with a professional staff of nine persons, the supervisor, and eight counselors. Five counselors do general counseling and placement work; two counselors work on the development of our vending stand program; and one counselor concentrates on the day-to-day operation of the vending stands.

As a definition, we may say that Vocational Rehabilitation is a service designed to develop, preserve, or restore the ability of blind men and women to work for pay. In this program, no blind person is considered rehabilitated until he has been placed in suitable employment for at least thirty days on a job which appears to be permanent. Usually, rehabilitation involves successful placement in paid employment but, in some cases, it may involve the ability to perform the important job of home making. The services which are provided under this program are geared to the specific needs of the individual, with due regard to the nature of his disability, his interests, and aptitudes, and vocational goals. Services are given to individuals who are at least 14 years of age and who have a reasonable chance of being employed after services are given. There are nine services in all: (1) medical diagnostic services; (2) individual counseling and guidance, including psychological testing, to help select the right job; (3) medical, surgical, psychiatric, and hospital service; (4) artificial limbs and other prosthetic appliances; (5) training; (6) maintenance and transportation; (7) tools, equipment, or licenses; (8) job placement; (9) job follow-up.

Following are statistics which give a brief picture of the work done during the year:

A. Referrals:

| | |
|--|-----|
| 1. On hand July | 103 |
| 2. New during the year | 209 |
| 3. Total referrals remaining at
end of period | 107 |

B. Active Cases:

| | |
|---|-----|
| 1. Active Cases on hand July 1 | 296 |
| 2. Accepted for service during the year | 173 |
| 3. Total Active Cases remaining at end of the
period | 356 |

C. Clients Rehabilitated:

| | |
|--|----|
| Cases closed rehabilitated (as compared with
81 in fiscal 1963) | 85 |
|--|----|

The Bureau showed an increase of 5% in rehabilitations over 1963.

Forty-five clients were training in college during the year under our Vocational Rehabilitation Program, ten of these in graduate training and thirty-five in undergraduate schools. Next year we anticipate that we will have fifty college students. During the year, five clients who had completed their college training found employment in line with their major subjects. All blind persons who are interested in attending college submit applications which are reviewed by the College Advisory Board of the Division. Following is a list of the colleges attended by our blind students:

| | |
|------------------------|-----------------------------|
| American International | Newton Junior |
| Boston College | Northeastern |
| Boston University | Pittsburg |
| Brandeis | Radcliffe |
| Brown | Regis |
| Cardinal Cushing | St. Anselm's |
| Clark | Springfield |
| Columbia | Stanford |
| Fitchburg State | Suffolk |
| Gordon | Tufts |
| Harvard | University of Bridgeport |
| Holy Cross | University of Massachusetts |
| | Williams |

Below is a listing of the vocational objectives of those clients who were in college during the past year:

| | |
|------------------------|--------------------------|
| Dairy Management Major | Public Relations Worker |
| Guidance Counselor | Physicist |
| Lawyer | Recreation Worker |
| Mathematician | Rehabilitation Counselor |
| Minister | Social Worker |
| Personnel Work | Speech Therapist |
| Psychologist | Teacher |

During the year, we opened four new vending stands -- a cafeteria for employees at the Worcester Pressed Steel Company in Worcester, a cafeteria for employees at the States Nitewear Manufacturing Company in New Bedford, and an outside snack-bar type stand serving the public next to the Post Office in Greenfield, and a dry stand for employees at the Federal Center in Waltham. We will open two additional stands within the first six months of next year -- an outside snack-bar type stand in New Bedford and a cafeteria type stand for employees of an industrial plant at Brockton. At the close of the year we had thirty-two vending stands in the state. Stand operators averaged \$5,091.00 in their earnings as compared with their 1963 average earnings of \$5,138.00, a decrease of \$47.00. Under our vending stand system, each stand is established with the operator as an independent business man; who receives advice and consultation from the Division staff as needed. When new stands are opened, such job vacancies are given to existing operators who are interested on the basis of ability and seniority.

Needs of the Program:

1) Staff reorganization to meet current demands. Due to greatly increased administrative duties, three additional supervisors are needed to work in the areas of: (a) Case work supervision. (b) Counseling training, physical restoration, and placement. (c) Business enterprises with chief stress on the vending stand program.

2) Increased emphasis on work with slow and retarded blind clients.

3) More attention to development of the physical restoration aspect of the program. The Bureau should be providing a great deal more surgical treatment than at present.

4) Increased effort to develop more industrial placement opportunities for blind people.

RALPH DONOR

Ralph was referred for rehabilitation services by his AB worker in 1960. He was thirty-one years old. He had no useful vision as a result of Diabetic Retinopathy. He had had diabetes since the age of seven with hypertension and other involvements. He had been blind since 1957 and admitted that he was careless in watching his diet and taking his insulin. Psychological tests showed him to be a person of good intelligence, who had good use of his hands with special emphasis on gross skills. He also had good ability to learn, but seemed to need support and guidance to enable him to meet work requirements well. He admitted at the time of testing that he had not learned to get along with other people well, but believes that people like him and that he was able to handle the matter of interpersonal relations. He expressed an interest in business, was strong in memory for numbers and arithmetic, but weak in social judgment.

He attended St. Paul's Rehabilitation Center in Newton in 1961. While there he did not have an outstanding record. He did well in subjects that interested him, such as mobility instruction and typing, but achieved poorly and attended irregularly in other subjects such as handwriting, braille, and fencing.

He undertook an extensive period of training on vending stands. He made rather slow progress in this work, but eventually became a skilled operator.

He took over the operation of a dry stand in a hospital. He has made out very well in the management of this enterprise. It is believed that he is motivated to make a success of this work, and has a good opportunity to improve the business.

EDMOND NICOLET

Edmond was referred to the Division of the Blind in 1954 by a social worker at the Massachusetts Eye and Ear Infirmary. He had had an intermittent work history as a machine operator and shipper since 1935. He was forty years old at the time of referral. He was out of work because the company where he had

been working had gone out of business. In addition, his failing vision made it more difficult for him to perform his customary type of work. He had light perception in both eyes. After trying in vain to find work on his own, he was anxious to talk with a rehabilitation counselor for help in finding employment.

After a period of counseling and unsuccessful job placement efforts, he was admitted to St. Paul's Rehabilitation Center in Newton in 1956, where he did very well in the twelve week adjustment program. After his training he was an excellent independent traveler with a cane. He oriented quickly to new surroundings. Upon the completion of this course and as a result of his various test scores and interests, it was determined that he had the intelligence and motivation necessary to profit from a college program in mathematics. This belief was substantiated by experts in mathematics and related fields who felt that Edmond, despite his age of forty two, should be given the opportunity to take a college program.

Edmond began his college training at a local university in 1957 and received his AB Degree in Mathematics Summa Cum Laude in 1960. He was also elected to Phi Beta Kappa. He was helped by Aid to the Blind subsistence during his training program. He was then accepted for graduate work at the same university and received his Master of Arts Degree in Mathematics with honors in 1962. He was then accepted as a doctoral candidate at the same university, and completed a number of credits for this degree before leaving to accept a position as programmer and mathematician with a large national electronics company in Massachusetts in August of 1963.

Edmond has continued to demonstrate his ability as a mathematician, receiving a number of increments for his work since joining the company. He has expressed sincere appreciation to the Division of the Blind for making his education and subsequent job placement possible; and reports that he is very happy with his work, pleased with his working conditions and colleagues, and is looking forward to a pleasant and profitable future in his desired field.

CHILDREN'S SERVICES

The Children's Services has a full quota of workers -- one supervisor, three social workers, and one preschool counsellor.

Miss Roswitha Micou, a graduate of Wellesley College, joined the Staff of the Division of the Blind as a social worker in October 1963. She worked with Aid to the Blind clients until late November when she transferred to the Children's Services.

Because of the lower incidence of children with retrolental fibroplasia, our case load gets smaller, but more demanding, every year. Therefore, our workers are required to provide more intense case work and counselling to the blind children and their parents. Our social workers are also of great help to teachers who have a blind or visually handicapped child in their classes. One of our social workers received a letter from the school nurse in which she said, "We in the School Department are most grateful for your helpfulness during the past year. It is good to know there is always someone to help us with our problems."

As the children with retrolental fibroplasia are getting older, some are reaching the age for service from our Vocational Rehabilitation staff; that is, counseling and training with employment as a goal.

During this year, recommendations for 44 children to enter Sight Saving Classes were sent to the Division of Special Education, 20 children entered Perkins School for the Blind, two entered braille classes, six children started braille in regular schools with braille tutors.

Miss Marjorie Frye, Supervisor, Division of Special Education, and Miss McLaughlin, Supervisor, Children's Services, Division of the Blind, compiled the yearly list of blind children in regular schools for the American Printing House for the Blind to determine the Federal quota of funds for books and equipment to be allotted to this state for blind children.

The Sight Saving Class in the William Connery School in Lynn was closed in June 1963. As a result, Mrs. Louise Kennedy was hired as an itinerent teacher of partially-sighted children by the Superintendent of Schools of Lynn, Saugus, Peabody, Wakefield, and Reading. In this way, partially-sighted children in this area can remain in a regular school and have help from the itinerent teacher.

Three of the children's workers took part in an in-service training course of this Division; four attended a social work institute at Boston University School of Social Work; and one took two courses at B.U. School of Social Work. In July, Miss McLaughlin; Mrs. Laufman, social worker; Mrs. Ellis, preschool counselor; and Mr. Scott, Vocational Rehabilitation Counselor, participated in a panel at the workshop in vision given at Boston University in cooperation with the National Society for Prevention of Blindness on the ancillary services to visually handicapped children.

Miss Katherine W. Williams, volunteer, has continued to read textbooks on to a recording machine to be transcribed into braille by Mr. Lloyd McLaughlin of this Division. These braille books are for blind children in regular schools. Since January 1960 when the first volume brailled by Mr. McLaughlin was sent to a child, 24 textbooks have been sent to various children. There were 78 volumes in all -- the longest book contains 13 volumes and the shortest book 1 volume.

Three bills of interest to this Division have been passed by our State legislature recently. Chapter 71, Section 46 H and I, was passed August 30, 1960, and went into effect on January 1, 1962. This bill relates to emotionally-disturbed children. Section 46A says the Department of Education may....send emotionally-disturbed children....to any school, hospital, sanatorium, or like institution within and without the Commonwealth.... This bill applies to blind children as well as the sighted. Chapter 71 of the General Laws is amended by inserting after Section 55B the following section, Section 55C. This requires pupils and teachers to wear protective devices while attending certain classes in the public school. This bill was approved February 7, 1964, effective May 7, 1964.

Many superintendents of schools protested that the unexpected passage of this bill put their departments in the position that they would be required to close laboratories since no funds were appropriated and available for this purpose. The law was amended, therefore, to permit the Commissioner of Education to grant money to school departments up until January 1, 1965, so that local school departments will be able to obtain the appropriation necessary to purchase the required safety spectacles and devices.

AID TO THE BLIND

Aid to the Blind was changed considerably in its administration during the year. The in-service training program was revised and reoriented with the coming of Mr. Thomas O'Donnell, as Supervisor of Training to the staff. Most of the training of staff has been focused on the new aspects of the service program. Conforming to the 1962 Amendments to the Social Security Act we drew up a new plan of service to applicants and recipients of Aid to the Blind and submitted this to the Federal Government in June of 1963 to be effective on July 1, 1963. The plan was disapproved by the Department of Health, Education, and Welfare not on the ground that the plan was a poor one, but on the grounds that it would be impossible to implement such a plan with the present staff of the Division. Currently, our case loads average 135 per worker and we have only one supervisor to supervise 18 Aid to the Blind case workers. Because of this serious lack of supervision, we must take two supervisory persons, who have other duties, away from their own work to supervise Aid to the Blind case workers on a part time basis. We have requested, through budget channels, that the Aid to the Blind staff be increased to 40 case workers and 8 supervisors. This is the staff required to bring our staff into line with Federal requirements of one case worker to 60 applicants or recipients and one supervisor to every five case workers.

In order to allow caseworkers more time to spend with their clients, we took a further step in reducing financial and paper work requirements of Aid to the Blind. We changed the budget cost schedule to remove the item of food for special diets and raised every recipient to the level which had been the food level for special diets. We reduced the clothing item to two values; one for ambulatory persons and one for home bound persons. We also made the laundry item the same for all recipients. Through simplifications we reduced calculations required by the case worker in computing the grant of assistance which would have the effect of cutting down desk work.

By limiting the problem areas of service to three we were able to write a plan of service which was acceptable to the Department of Health, Education, and Welfare. The problem areas designated for service are: (1) aged and blind individuals in need of protection; (2) aged and blind individuals requiring services to remain in or return to their own homes or communities; and (3) services to blind persons with potentials for self support.

These service areas are determined by a social study similar to the kind already employed by this Division, but focused a little sharper on diagnosis and planning for services.

The new service program started on January 1, 1964, and the social studies will be completed by January 1, 1965. It will be several years before our services reach the standards set forth by the Department of Health, Education, and Welfare, but our Aid to the Blind program is far superior to any public assistance program in the United States. Our Aid to the Blind staff have worked very diligently in this past year to try to bring into being our expanded service program. Without this extraordinary devotion to duty and this almost superhuman effort in the face of great difficulties, we would never have been able to expand our services. It is earnestly hoped that the appropriating authorities of the State will see the need for increased services and provide for the expansion of staff which we so desperately require.

REGISTER OF THE BLIND

The Division of the Blind is now affiliated with the National Institute for Neurological Diseases and Blindness as a state of the Model Reporting Area for Statistics on Blindness. In order, therefore, to have our annual statistics published in a form comparable to those of the Model Reporting Area, with this report we change the statistical year from the fiscal year which has been used in the past to the calendar year; because the National Institute for Neurological Diseases is publishing statistics on blindness on a calendar year basis. We have also reduced the number of age intervals in our tables to eight and have extended the categories of extent of vision to nine. Furthermore, we are compiling statistics on the cause of blindness only if the diagnosis was made by an ophthalmologist or an EENT specialist.

During the calendar year 1963, of the 984 persons added to the register, 555 had been examined by physicians with a speciality in eye care. Retinal degeneration and other retinal affects account for the blindness in 228 of the 555 new registrants. Glaucoma is the cause of loss of vision in 102, and cataracts the cause in 69 of the 555 individuals.

There is a very great range of visual functioning in the 984 persons added to the register of the blind in 1963. Only 60 had no vision while 215 were on the margin of blindness with 20/200 visual acuity. Approximately half of those registered as blind had partial sight. Five children were registered in this calendar year because of Retrolental Fibroplasia. One was born in 1963; one in 1958; one in 1957; and two in 1952. Only thirty of the children registered due to Retrolental Fibroplasia were born in 1957 or later, while 306 were born from 1956 to 1946. It would appear that in 1974, ten years from now, the school age population of blind children will be reduced from 762, which it was on June 30, 1964, to less than 400. If the same distribution prevails at that time between Perkins School for the Blind and public school, there would be in 1974 less than 90 children for Massachusetts in that school and there would be somewhat less than 300 children in community, public, and private schools.

APPENDIX A

TABULAR INFORMATION

CHARACTERISTICS OF THE BLIND POPULATION AND CAUSES AND
INCIDENCE OF BLINDNESS IN MASSACHUSETTS

BUREAU OF INDUSTRIES

The Division maintains and operates special workshops in six of the larger cities of the Commonwealth, providing gainful employment for some 140 blind persons. These shops, four for men and two employing women, are engaged in the manufacture of several varieties of brooms, wet and dry mops, rubber mats, pillowcases, and hand-woven products. Chair-caning and re-seating service as well as re-stringing and repair of tennis raquets are also offered. Recently, considerable emphasis has been placed on the procuring of sub-contracts in assembly work.

The blind persons employed in these special workshops found to be unable to compete successfully in the labor market, are thus provided with an opportunity to become self-supporting members of the community.

The following report indicates receipts derived from workshop production during the past fiscal year, together with comparable figures from the previous year.

| Shop | 1962-63 | 1963-64 | Differential |
|-------------|--------------|--------------|--------------|
| Total Sales | \$239,900.23 | \$244,159.94 | \$4,259.71 |
| Cambridge | 194,611.80 | 199,789.57 | 5,177.77 |
| Fall River | 11,871.76 | 10,316.97 | (1,554.69)* |
| Lowell | 5,854.27 | 6,591.39 | 737.12 |
| Pittsfield | 12,860.96 | 12,432.64 | (428.32) |
| Worcester | 4,980.58 | 4,066.20 | (914.38) |
| Springfield | 9,720.96 | 10,963.17 | 1,242.21 |

*Figures in parentheses indicate decrease in receipts.

TABLE 1 Blind persons on the Massachusetts Register of the Blind by age and sex on December 31, 1963

| Age | Total | Male | Female | Percent |
|----------------|-------------|------------|------------|---------|
| Total | 9435 (100%) | 4330 (46%) | 5105 (54%) | 100.0 |
| Under 5 yrs. | 81 | 47 | 34 | .8 |
| 5 to 19 yrs. | 932 | 514 | 418 | 9.9 |
| 20 to 44 yrs. | 1331 | 770 | 561 | 14.1 |
| 45 to 64 yrs. | 2093 | 1098 | 995 | 22.2 |
| 65 to 74 yrs. | 1782 | 735 | 1047 | 18.9 |
| 75 to 84 yrs. | 1775 | 677 | 1098 | 18.8 |
| 85 yrs. & over | 1113 | 364 | 749 | 11.8 |
| Age Unknown | 328 | 125 | 203 | 3.5 |

TABLE 2 Extent of vision of 984 persons added to the Massachusetts Register of the Blind, January 1 through December 31, 1963

| Vision | Total | Male | Female |
|--------------------------|-------|------|--------|
| Total | 984 | 404 | 580 |
| Absolute Blindness | 60 | 27 | 33 |
| Light perception | 91 | 32 | 59 |
| Light projection | 10 | 3 | 7 |
| Less than 5/200 | 155 | 59 | 96 |
| 5/200 to 9/200 | 130 | 43 | 87 |
| 10/200 to 19/200 | 223 | 90 | 133 |
| 20/200 | 215 | 92 | 123 |
| Restricted Field | 61 | 37 | 24 |
| Extent of Vision Unknown | 39 | 21 | 18 |

TABLE 3 Blind persons added to the Massachusetts Register of the Blind by age and sex, January 1 through December 31, 1963

| Age | Total | Male | Female | Percent |
|----------------|------------|-----------|-----------|---------|
| Total | 984 (100%) | 404 (41%) | 580 (59%) | 100.0 |
| Under 5 yrs. | 25 | 13 | 12 | 2.5 |
| 5 to 19 yrs. | 56 | 31 | 25 | 5.7 |
| 20 to 44 yrs. | 49 | 28 | 21 | 5.0 |
| 45 to 64 yrs. | 182 | 89 | 93 | 18.5 |
| 65 to 74 yrs. | 198 | 70 | 128 | 20.1 |
| 75 to 84 yrs. | 195 | 70 | 125 | 19.8 |
| 85 yrs. & over | 91 | 25 | 66 | 9.3 |
| Unknown | 188 | 78 | 110 | 19.1 |

TABLE 4 Causes of blindness of 555* persons added to the Massachusetts Register of the Blind, January 1 to December 31, 1963

| Cause | Total | Male | Female |
|-------------------------|-------|------|--------|
| Total | 555 | 233 | 322 |
| Glaucoma | 102 | 46 | 56 |
| Myopia | 11 | 5 | 6 |
| Keratitis | 10 | 4 | 6 |
| Cataracts | 69 | 30 | 39 |
| Uveitis | 23 | 5 | 18 |
| Retinal Degeneration | 108 | 43 | 65 |
| Retrolental Fibroplasia | 1 | 0 | 1 |
| Other Retinal affects | 120 | 42 | 78 |
| Optic Nerve Atrophy | 28 | 13 | 15 |
| Cause Unknown | 39 | 24 | 15 |
| Other Causes | 44 | 21 | 23 |

* Reflects only those referrals made by Ophthalmologists, EENT, and other medical persons.

TABLE 5 Blind persons added to the Massachusetts Register of the Blind by age during the 12 months July 1, 1959 through June 30, 1960 and of those, the persons remaining active on June 30, 1961, June 30, 1962, June 30, 1963, and June 30, 1964.

| Age | Total 1960 | 1961 | 1962 | 1963 | 1964 |
|------------------|------------|------|------|------|------|
| Total | 810 | 685 | 624 | 560 | 534 |
| Under 1 yr. | 5 | 0 | 0 | 0 | 0 |
| 1 to 2 yrs. | 7 | 5 | 0 | 0 | 0 |
| 2 to 3 yrs. | 5 | 5 | 4 | 0 | 0 |
| 3 to 4 yrs. | 4 | 5 | 4 | 1 | 0 |
| 4 to 5 yrs. | 1 | 3 | 6 | 9 | 2 |
| 5 to 9 yrs. | 31 | 24 | 21 | 16 | 18 |
| 10 to 14 yrs. | 19 | 22 | 20 | 27 | 27 |
| 15 to 19 yrs. | 7 | 5 | 9 | 7 | 10 |
| 20 to 24 yrs. | 9 | 9 | 8 | 8 | 7 |
| 25 to 29 yrs. | 13 | 13 | 11 | 8 | 6 |
| 30 to 34 yrs. | 13 | 12 | 12 | 12 | 9 |
| 35 to 39 yrs. | 17 | 19 | 15 | 12 | 12 |
| 40 to 44 yrs. | 15 | 14 | 13 | 14 | 17 |
| 45 to 49 yrs. | 27 | 18 | 21 | 19 | 16 |
| 50 to 54 yrs. | 32 | 32 | 31 | 25 | 21 |
| 55 to 59 yrs. | 45 | 37 | 31 | 30 | 32 |
| 60 to 64 yrs. | 64 | 53 | 44 | 35 | 28 |
| 65 to 69 yrs. | 73 | 65 | 54 | 61 | 51 |
| 70 to 74 yrs. | 97 | 71 | 64 | 45 | 46 |
| 75 to 79 yrs. | 89 | 88 | 88 | 80 | 70 |
| 80 to 84 yrs. | 101 | 77 | 68 | 60 | 61 |
| 85 to 89 yrs. | 63 | 68 | 66 | 53 | 58 |
| 90 to 94 yrs. | 28 | 27 | 26 | 30 | 34 |
| 95 to 99 yrs. | 2 | 5 | 5 | 7 | 8 |
| 100 yrs. or over | 0 | 0 | 0 | 0 | 0 |
| Age Unknown | 43 | 8 | 3 | 1 | 1 |

TABLE 6 Blind persons removed from the Massachusetts Register of the Blind from January 1, 1963 through December 31, 1963

| Age | Total | Male | Female | Percent |
|----------------|------------|-----------|-----------|---------|
| Total | 604 (100%) | 269 (45%) | 335 (55%) | 100.0 |
| Under 5 yrs. | 8 | 6 | 2 | 1.3 |
| 5 to 19 yrs. | 26 | 17 | 9 | 4.3 |
| 20 to 44 yrs. | 31 | 22 | 9 | 5.1 |
| 45 to 64 yrs. | 70 | 40 | 30 | 11.5 |
| 65 to 74 yrs. | 101 | 40 | 61 | 16.7 |
| 75 to 84 yrs. | 174 | 87 | 87 | 28.8 |
| 85 yrs. & over | 182 | 50 | 132 | 30.3 |
| Age Unknown | 12 | 7 | 5 | 2.0 |

TABLE 7 Causes of blindness of 762 school age children from 1946 through 1957 on the Massachusetts Register of the Blind on June 30, 1964.

| | |
|---|-----|
| Total | 762 |
| Hydrophthalmos (congenital glaucoma) | 17 |
| Microphthalmos | 8 |
| Anophthalmos | 2 |
| Albinism | 39 |
| Myopia | 25 |
| Nystagmus | 58 |
| Endophthalmitis | 1 |
| Hypoplasia of Orbits | 1 |
| Opacities of cornea | 3 |
| Neuropalthes keratitis | 1 |
| Corneal dystrophy | 2 |
| Corneal abnormality | 1 |
| Stippling of maculae | 1 |
| Congenital cataracts <u>1/</u> | 77 |
| Dislocated lenses | 4 |
| Choroiditis | 1 |
| Iridocyclitis | 1 |
| Uveitis | 7 |
| Chorioretinitis | 9 |
| Choroidal changes | 3 |
| Coloboma of iris, ciliary body or choroid | 5 |
| Sympathetic ophthalmia | 1 |
| Aniridia | 11 |
| Retrolental fibroplasia | 317 |
| Detachment of retina | 3 |
| Retinitis pigmentosa | 10 |
| Macular degeneration | 10 |
| Retinal degeneration | 4 |
| Retinoblastoma | 8 |
| Other affections of retina | 8 |
| Optic Neuritis | 3 |
| Optic nerve atrophy <u>2/</u> | 81 |
| Vitreous membrane | 1 |
| No report on site and type of affection | 39 |

1/ 3 caused by rubella

2/ 6 caused by brain tumor

TABLE 8 Whereabouts of 762 school age children born 1946 through 1957 on the Massachusetts Register of the Blind on June 30, 1964.

| | |
|--|-----|
| Total | 762 |
| Perkins School for the Blind | 176 |
| Regular schools | 176 |
| Sight Saving Classes | 108 |
| Regular schools with Braille | 35 |
| Braille classes | 19 |
| Ransom Greene Unit of Walter E. Fernald State School | 137 |
| Other State schools for the feeble minded | 24 |
| Monson State Hospital | 6 |
| At home retarded | 33 |
| Trainable classes | 5 |
| School out of State | 4 |
| Private schools for retarded | 2 |
| In hospitals | 4 |
| At home disturbed | 4 |
| At home ill | 2 |
| Visiting teacher | 2 |
| Center for blind children | 9 |
| Plans pending | 1 |
| In college | 1 |
| No services requested | 3 |
| Unknown | 11 |

TABLE 9 Sources of referral of 762 school age children born 1946 through 1957 on the Massachusetts Register of the Blind on June 30, 1964.

| | |
|---|-----|
| Total | 762 |
| Mass. Eye & Ear Infirmary | 173 |
| Other hospitals | 21 |
| Ophthalmologists | 118 |
| Other doctors | 8 |
| Optometrists | 2 |
| Families | 105 |
| Friends of the families | 15 |
| School personnel | 92 |
| Private agencies | 39 |
| Public agencies | 35 |
| Center for blind children | 35 |
| Perkins School for the Blind | 35 |
| Walter E. Fernald State School | 34 |
| Other State schools for the feeble minded | 14 |
| Division of Special Education | 32 |
| Others | 4 |

TABLE 10 Cause of blindness of 119 preschool children born 1958 and later on the Massachusetts Register of the Blind on June 30, 1964.

| | |
|---|-----|
| Total | 119 |
| Hydrophthalmos (congenital glaucoma) | 4 |
| Microphthalmos | 4 |
| Anophthalmos | 3 |
| Albinism | 4 |
| Myopia | 2 |
| Nystagmus | 5 |
| Congenital cataracts | 16 |
| Dislocated lenses | 1 |
| Chorioretinitis | 1 |
| Coloboma of iris | 1 |
| Aniridia | 2 |
| Coloboma of retina | 1 |
| Retrolental fibroplasia | 19 |
| Detachment of retina | 3 |
| Retinitis pigmentosa | 1 |
| Macular degeneration | 1 |
| Retinal degeneration | 2 |
| Retinoblastoma | 2 |
| Optic nerve atrophy | 23 |
| Coloboma of optic nerve | 1 |
| Persistent hyperplastic vitreous | 1 |
| No report on site and type of affection | 22 |

TABLE 11 Whereabouts of 119 preschool children born 1958 and later on the Massachusetts Register of the Blind on June 30, 1964.

| | |
|--|-----|
| Total | 119 |
| At home | 42 |
| Regular kindergarten | 5 |
| Nursery schools | 7 |
| Ransom Greene Unit of Walter E. Fernald School | 31 |
| At home retarded | 14 |
| Perkins School for the Blind | 4 |
| Regular school | 4 |
| Sight Saving Classes | 2 |
| Foster homes | 3 |
| Belchertown State School | 2 |
| Wrentham State School | 2 |
| Class for the Deaf | 1 |
| No services requested | 2 |

TABLE 12 Source of referral of 119 preschool children born 1958 and later on the Massachusetts Register of the Blind on June 30, 1964.

| | |
|--------------------------------|-----|
| Total | 119 |
| Walter E. Fernald State School | 26 |
| Families | 31 |
| Ophthalmologists | 15 |
| Private agencies | 12 |
| Public Agencies | 5 |
| Mass. Eye & Ear Infirmary | 8 |
| Other hospitals | 8 |
| Perkins School for the Blind | 6 |
| School personnel | 4 |
| Wrentham State School | 2 |
| Belchertown State School | 2 |

TABLE 13 Causes of blindness of 70 children added to the Massachusetts Register of the Blind during the 12 months period July 1, 1963 through June 30, 1964.

| | |
|---|----|
| Total | 70 |
| Hydrophthalmos (congenital glaucoma) | 4 |
| Microphthalmos | 1 |
| Albinism | 7 |
| Myopia | 3 |
| Nystagmus | 8 |
| Congenital cataracts | 7 |
| Chorioretinitis | 1 |
| Aniridia | 1 |
| Coloboma of retina | 1 |
| Retrolental fibroplasia | 9 |
| Detached retina | 1 |
| Retinitis pigmentosa | 6 |
| Macular degeneration | 3 |
| Retinal degeneration | 1 |
| Retinal atrophy | 1 |
| Laceration of retina | 1 |
| Optic neuritis | 2 |
| Optic nerve atrophy | 7 |
| Malingering | 1 |
| No report on site and type of affection | 5 |

TABLE 14 Disposition of 70 children added to the Massachusetts Register of the Blind during the 12 months period July 1, 1963 through June 30, 1964.

| | |
|---|----|
| Total | 70 |
| Regular schools | 17 |
| Sight Saving Classes | 9 |
| Perkins School for the Blind | 5 |
| To enter Perkins School for the Blind 9/64 | 2 |
| Precounseling | 13 |
| Ranson Greene Unit Walter E. Fernald School | 5 |
| Regular kindergarten | 1 |
| Trainable class | 1 |
| Private school for retarded | 1 |
| Class for the deaf | 1 |
| Visiting teacher (ill) | 2 |
| At home disturbed | 1 |
| Referred for registration only | 3 |
| Vocational Rehabilitation | 4 |
| No longer blind | 1 |
| Moved out of State | 3 |
| Died | 1 |

TABLE 15 Diagnosis of 49 children with defective sight but not legally blind, referred to the Massachusetts Division of the Blind during the 12 months period July 1, 1963 through June 30, 1964.

| | |
|---|----|
| Total | 49 |
| Albinism | 5 |
| Myopia | 10 |
| Nystagmus | 1 |
| Congenital cataracts | 10 |
| Dislocated lenses | 1 |
| Retinitis pigmentosa | 1 |
| Macular degeneration | 2 |
| Retinoblastomas | 1 |
| Amblyopia ex anopsia | 3 |
| Hyperopia | 6 |
| External strabismus | 1 |
| No report on site and type of affection | 8 |

TABLE 16 Disposition of 49 children with defective sight but not legally blind referred to the Massachusetts Division of the Blind during the 12 months period July 1, 1963 through June 30, 1964.

| | |
|---|----|
| Total | 49 |
| Regular school | 10 |
| To enter regular school in September 1964 | 2 |
| Sight Saving Class | 16 |
| To enter Sight Saving Class in September 1964 | 8 |
| Nursery School for retarded | 1 |
| Center for blind children | 1 |
| Itinerat teacher | 1 |
| Visiting teacher | 1 |
| Preschool counselling | 7 |
| At home retarded | 1 |
| No services requested | 1 |

TABLE 17 Source of referral of 49 children with defective sight but not legally blind, referred to the Massachusetts Division of the Blind during the 12 months period July 1, 1963 through June 30, 1964.

| | |
|-------------------------------|----|
| Total | 49 |
| School personnel | 23 |
| Families | 8 |
| Mass. Eye and Ear Infirmary | 6 |
| Other hospitals | 1 |
| Ophthalmologists | 5 |
| Division of Special Education | 3 |
| Other agencies | 3 |

TABLE 18 Massachusetts Department of Education, Division of the Blind. Cases of Retrolental Fibroplasia born 1946 and later reported to the Division of the Blind according to the year referred and birth year as of June 30, 1964.

| Year Born | | | | | | | | | | | | | | | | | | | | Total Born Each Year |
|--------------------------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----------------------|
| | 1964 | '63 | '62 | '61 | '60 | '59 | '58 | '57 | '56 | '55 | '54 | '53 | '52 | '51 | '50 | '49 | '48 | '47 | '46 | |
| 1964 | | | | | | | | | | | | | | | | | | | | |
| 1963 | 1 | | | | | | | | | | | | | | | | | | | 1 |
| 1962 | | 1 | 1 | | | | | | | | | | | | | | | | | 2 |
| 1961 | | | 3 | 1 | | | | | | | | | | | | | | | | 4 |
| 1960 | | | | 1 | | | | | | | | | | | | | | | | 1 |
| 1959 | | | | 1 | 3 | 1 | | | | | | | | | | | | | | 5 |
| 1958 | 1 | 1 | | | | 4 | | | | | | | | | | | | | | 6 |
| 1957 | 1 | 1 | | | | 1 | 1 | | | | | | | | | | | | | 4 |
| 1956 | | | 1 | | | 1 | 4 | 1 | | | | | | | | | | | | 7 |
| 1955 | | | 1 | 1 | 1 | 3 | 2 | 2 | 5 | 1 | | | | | | | | | | 16 |
| 1954 | | | | 3 | 1 | 1 | | | 3 | 8 | 7 | | | | | | | | | 23 |
| 1953 | | | | | | 1 | 3 | 2 | 1 | 7 | 16 | 5 | | | | | | | | 35 |
| 1952 | | | | 1 | | 2 | 2 | | | 6 | 9 | 22 | 7 | | | | | | | 49 |
| 1951 | | 2 | 3 | | | | | 1 | 1 | 1 | 2 | 5 | 18 | 6 | | | | | | 39 |
| 1950 | | | | | 3 | 1 | | | 1 | 4 | 1 | 2 | 8 | 9 | 5 | | | | | 34 |
| 1949 | | | 1 | | | | | | 1 | 3 | | | 3 | 1 | 11 | 6 | | | | 26 |
| 1948 | | | | | | | | 1 | | 2 | | 1 | | 3 | 2 | 17 | 5 | | | 31 |
| 1947 | | | | | | | | 1 | 3 | 1 | 1 | | | | | 2 | 16 | 4 | | 28 |
| 1946 | | | 1 | | | | | | | | | 1 | 1 | | 1 | 2 | 9 | 9 | 1 | 25 |
| Total Referred Each Year | 3 | 5 | 11 | 8 | 5 | 17 | 8 | 12 | 16 | 33 | 36 | 36 | 37 | 19 | 19 | 27 | 30 | 13 | 1 | 336 |

APPENDIX B
RECOMMENDATION FOR LEGISLATION
AND DRAFT LEGISLATION

RECOMMENDATIONS

1. An Act Relative To Granting Permits to Blind Persons To Operate Vending Stands In Public Buildings.

Chapter 102 of the Resolves of 1963 directed the Division of the Blind to make an investigation and study relative to blind persons operating vending stands in public buildings.

A nation-wide search for information and statistics pertinent to the study revealed the comparative position of Massachusetts when considered in terms of its sister states to be a most unenviable one, not only as to the number of vending stands in state buildings (4), but also a basic weakness in existing legislation which is designed to insure preference to licensed blind persons to operate vending stands in public buildings and further to implement the principles of the federal-state program of self-employment opportunities for blind persons.

As Section 24A of Chapter 69 of the General Laws, the vending stand law, so-called, has been tested on several recent occasions and found to be ineffective, it becomes the purpose of this recommended act to replace the current statute with one that contains enforceable provisions that will, at once, protect the preference of licensed blind persons in the operation of vending stands and will materially aid in the implementation and expansion of the total program.

RELATIVE TO GRANTING PERMITS TO BLIND PERSONS TO
OPERATE VENDING STANDS IN PUBLIC BUILDINGS.

Chapter 69 of the General Laws is hereby amended by striking out Section 24A, as most recently amended by Chapter 336 of the Acts of 1962, and inserting in place thereof the following 8 sections: --

Section 24A. Definitions. -- As used in Sections 24B to 24H inclusive, the following words shall have the following meanings: --

(1) "Blind person" shall mean a person having a central visual acuity of 20/200 or less in the better eye with correction or a disqualifying field defect in which the peripheral field has contracted to a radius of 10 degrees or less regardless of visual acuity.

(2) "Vending stand" shall mean such shelters, shelving, display and wall cases, refrigerating apparatus and other appropriate auxiliary equipment as are necessary or are customarily used for the vending of such articles as the officer, board or other authority approves.

(a) Manual or coin-operated vending machines or similar devices dispensing food, confections, tobacco products, coffee, tea, milk, soft drinks and such other articles as may be approved by the aforesaid officer, board or other authority.

(b) Snack bar facilities for the dispensing of foodstuffs and beverages.

(3) "Operator" shall mean the individual blind person duly licensed by the Division of the Blind who personally operates the vending stand.

(4) "Public building or property" shall mean any building, land or other real property owned, leased or occupied by any department, agency or authority of the Commonwealth of Massachusetts or any of its political subdivisions thereof.

(5) "Division" shall mean the Massachusetts Division of the Blind in the Department of Education.

(6) "Director" shall mean the Director of the Massachusetts Division of the Blind.

(7) "Licensing agency" shall mean the Massachusetts Division of the Blind which is the state agency designated by the Vocational Rehabilitation Administration in the United States Department of Health, Education and Welfare to issue licenses to blind persons for the operation of vending stands.

THE UNIVERSITY OF CHICAGO
DEPARTMENT OF POLITICAL SCIENCE

1. The purpose of this study is to examine the role of the state in the development of the economy of the United States.

2. The study is based on a review of the literature on the subject and on a series of interviews with experts in the field.

3. The study finds that the state has played a significant role in the development of the economy of the United States, particularly in the areas of infrastructure, education, and health care.

4. The study also finds that the state has been successful in promoting economic growth and development, but that it has also been responsible for a number of problems, including inflation and unemployment.

5. The study concludes that the state should continue to play a role in the development of the economy, but that it should also be careful not to overstep its bounds.

6. The study also finds that the state has been successful in promoting economic growth and development, but that it has also been responsible for a number of problems, including inflation and unemployment.

7. The study concludes that the state should continue to play a role in the development of the economy, but that it should also be careful not to overstep its bounds.

8. The study also finds that the state has been successful in promoting economic growth and development, but that it has also been responsible for a number of problems, including inflation and unemployment.

9. The study concludes that the state should continue to play a role in the development of the economy, but that it should also be careful not to overstep its bounds.

10. The study also finds that the state has been successful in promoting economic growth and development, but that it has also been responsible for a number of problems, including inflation and unemployment.

11. The study concludes that the state should continue to play a role in the development of the economy, but that it should also be careful not to overstep its bounds.

(8) "Jurisdiction" shall mean the control of the maintenance, operation and protection of public buildings and property of the Commonwealth or of any of its political subdivisions.

Section 24B. Assuring Preference to Blind Persons. -- The officer, board or other authority in charge of any buildings or property of the Commonwealth, or of any county, city or town thereof:

(1) Shall adopt such policies and take such actions as may be necessary to assure that blind persons licensed by the Division of the Blind will be given preference in the establishment and operation of vending stands on property under their jurisdiction.

(2) Shall co-operate with the Division in surveys of property and buildings under their control in order to find suitable locations for the operation of vending stands by blind persons, and after it has been determined that there is need for a vending stand and after the Division has determined that such a stand may be properly and satisfactorily operated by a blind person, shall co-operate with the Division in the installation of such vending stand.

(3) Shall, for the purpose of achieving and protecting the preference of blind persons in the operation of vending stands as contemplated by this act, arrange for the assignment of the income derived from vending machines located within reasonable proximity to and in direct competition with a vending stand, for which authority has been granted pursuant to this act, to the vending stand operator or operators affected. If a vending stand vends articles of a type authorized for vending pursuant to this act, and is so located that it attracts customers who would, otherwise, patronize the vending stand, such machine will be considered to be in reasonable proximity to and in direct competition with the vending stand.

(4) Shall, if there is no licensed blind stand operator in the building, cause the commissions from vending machine sales to be assigned to the Division of the Blind which shall deposit such commissions in a separate fund to be used for the repair and maintenance of stands, construction of new stands, purchase of equipment and to defray the cost of wages paid to persons hired to operate any stand in emergencies.

(5) Shall no later than June thirtieth, nineteen hundred and sixty-five, notify the Division in writing of any and all existing locations where vending stands might be operated by blind persons.

(6) Shall no less than thirty days prior to the reactivation or licensing for the operation of any vending stand inform the Division of such contemplated action.

(7) Shall inform the Division of any locations where such vending stands are planned or might be operated in or about other public buildings or properties as may now or thereafter come within the jurisdiction of any department, agency or authority of the Commonwealth or of any of its political subdivisions, such information to be given not less than thirty days prior to licensing for the operation of any vending stand in such public building or on such property.

Section 24C. Powers and Duties of the Division. -- In carrying out the provisions of this act the Division:

(1) Shall prescribe regulations governing:

(a) Personnel standards;

(b) Eligibility for licensing of blind persons as vending stand operators;

(c) Title to vending stand equipment and the interest in stocks of merchandise;

(d) The protection of records and confidential information;

(e) Procedures for fair hearings.

(2) Shall prescribe such other regulations as may be necessary to carry out the purposes of this act.

(3) Shall conduct surveys to find locations where vending stands may be properly and satisfactorily operated by blind persons and shall establish vending stands as it deems appropriate.

(4) Shall provide such management and supervisory services as are deemed necessary to assure that each such vending stand will be operated in the most effective and productive manner possible.

(5) Shall provide plans and specifications for proposed vending stands and equipment to the appropriate officer, board or authority for approval prior to installation.

(6) Shall take any such other action as may be necessary or appropriate to carry out the purposes of this act.

Section 24D. Construction, Remodeling of Public Buildings, Planning for Vending Stands. -- To effectuate further the purposes of this act, when new construction, remodeling, leasing, acquisition or improvement of public buildings or properties is authorized, the agency directing such construction, remodeling, leasing, acquisition or improvement, shall, when the size of the building or properties warrants, make available suitable space and facilities for vending stands to be operated therein by blind persons licensed by the Division of the Blind pursuant to the provision of this act.

Section 24E. Construction of Buildings by the Division of the Blind. -- If a suitable location is available for a vending stand which requires the construction of a portable building, the Division may construct such a building and may have the use of such land to construct said building.

Section 24F. Vending Stand Operator Exempt from License Fee, Rental or Other Charge. -- No license fee, rental or other charge shall be demanded, assessed, exacted, required or received for the granting of authority to a blind person licensed by the Division of the Blind to operate a vending stand pursuant to the provisions of this act.

Section 24G. Correctional, Mental and Certain Education Institutions. -- The provisions of this act shall not apply nor authorize the installation of vending stands in any buildings wholly used by any correctional or mental institution or by any educational institution of any type supported in whole or in part from public funds unless such educational institution is of university, college or junior college grade.

Section 24H. Saving Clause. -- In buildings and properties where a vending stand now exists the present operator shall not be removed but if and when such operator ceases to operate such vending stand or when any existing lease expires, the authority for further operation shall be granted to the Division of the Blind.

ANNUAL REPORT

Division of Library Extension

Year Ending June 30, 1964

SKIPPER WITH A NEW CREW

In addressing the librarians assembled in Lenox in June 1964 for the Annual Meeting of the Massachusetts Library Association, Dr. George Blackwood very aptly described Richard J. Sullivan, Chairman of the Board of Library Commissioners as a calm and judicious skipper with a crew of "freshman sailors working away at the task of getting the state library ship into what seems to be a rapidly widening harbor." The reference was made to the new complexion of the Board brought about by the resignations during the past fiscal year of Mrs. George R. Wallace, Channing L. Bete, and John A. Humphry and the expiration of the term of John D. Kelley. We shall sorely miss the guidance and direction of that experienced crew; at the same time as we look ahead eagerly to cruising library seas with Dr. George Blackwood, John N. Fulham, Jr., Mrs. H. Shippen Goodhue and Mrs. Lawrence K. Miller.

"EVERYTHING ON THE UP AND UP"

From every corner of the Commonwealth came reports which indicate that just about everything concerned with libraries and librarians is "on the up and up!" Under the "everything" umbrella may be grouped such matters and problems as the increasing and overwhelming pressures from the rapidly growing tide of library users of all ages which are straining the capacities of public library buildings already in service more than a half a century; and the very gradual upward trend of the per pupil expenditure for school libraries. This Commonwealth has tremendous library strengths but it also has very serious library weaknesses which must be faced up to soundly and realistically. The total school library picture is still woefully inadequate! Recruiting for professionally-trained staff members for local public libraries continues to be a frustrating experience because library salaries in general are considerably below those paid in other regions of the United States. More adequate financing of school and public library service will ultimately provide the solution. However, before this adequate financing is a reality, school administrators, public library trustees, and librarians themselves will have to cast hope and vanity aside. They must begin with faith to rally around and advance with more vigor the doctrine that adequate "library services are necessary to meet the adverse and changing needs of all the American people". Sorely needed are more aggressive salesmen and a more dynamic sales program!

BY THE NUMBERS

The 1963 statewide per capita public library income figure rose to \$3.47. With 377 of the 390 public libraries reporting to the Board of Library Commissioners, these interesting facts and statistics on public library service are now a matter of record:

| | |
|--|----------------|
| Total public library income | \$ 17,910,448. |
| Expenditures for salaries | \$ 12,316,862. |
| Expenditures for books and related materials | \$ 2,871,550. |
| Statewide public library book circulation | 35,817,154 |

Public library income was up 7% over the 1962 year. The expenditures for salaries and statewide circulation of books both showed a gain of 2%; while expenditures for books and related materials jumped 21%.

STATE AID FOR PUBLIC LIBRARY SERVICE

For the first time since the enactment of the State Aid Law in 1960, the funding of the direct grants in fiscal 1964 was transferred by the 1963 amendment to the law from the state taxation on incomes to the General Fund. An appropriation of \$1,270,000. was available in the Division's 2613-20-17 Account for these direct grants. Three hundred of the 340 municipalities eligible to apply were certified for state grants for public library service totalling \$1,258,697.94. Only 46 of the grants were certified "with reservation" because the municipalities did not meet one or more of the applicable minimum standards. It has been a revelation to watch the actual beneficial effects of these state grants in terms of the many libraries which have increased hours of service, raised standards of personnel with respect particularly to the chief librarian and also received increased municipal appropriations for book expenditures.

THE SYSTEM - A NEW LOOK

The two state aided Regional Public Library Systems serving Central and Western Massachusetts are showing a steady and fruitful pattern of development. The Eastern Regional System is still on the launching pad with negotiations going steadily forward on this more complex area. In Western Massachusetts, the two formerly state-operated regional library centers are being unified into the system program. The problems always existent in such change have been mollified by the exciting possibilities for improved service and the interest and enthusiasm of the ultimate consumers - local library borrowers. A third bookmobile began service in the area operating out of Springfield, with some realignment of the municipalities formerly served by the bookmobiles operating out of Greenfield and Pittsfield. The system approach is definitely resulting in more imaginative planning for cooperative efforts and the coordination of all types of library service for a better overall effect.

Both the Central and Western Systems have developed excellent procedure manuals for staff and member libraries and are regularly publishing an attractive and informative Newsletter. The use of telephone credit cards has stimulated system-wide reference and inter-library loan. Both systems have established a transfer collection of useful duplicate titles available in a central storage area for examination and selection by member libraries. Libraries of all types - public, special, college and university - are cooperating in a major project which will result in the compilation of a Union List of Serials for Central and Western Massachusetts.

The response of participating member libraries is thrilling and gratifying. Almost daily come letters expressing appreciation and pleasure. A librarian of a small public library recently wrote, "I was very doubtful about the operation of a regional system, but now I see that it really does work. It has made a city library out of our small town library. We are very happy to have expanded our walls the painless way!"

SURVEYS AND STUDIES

The Verschoor-Bundy Study of the Regional Public Library Systems was completed, printed and distributed to every local public library. This objective analysis of the legislative and administrative framework within which the regional systems now operate has been most helpful in pointing up weaknesses of the present legislation, and in providing astute recommendations as to amending the legislation to strengthen and improve the regional service program.

During the year the Division Staff members attended numerous conferences and worked closely with the Research Staff of the quarter million dollar Massachusetts Education Study directed by Dr. Benjamin Willis, General Superintendent of the Chicago Public Schools. The place of libraries as an integral component of the overall education picture has been firmly established; and the aims, goals and needs of libraries of all types have been advanced to the Study Group.

WORKING TOGETHER

The Director and various staff members of the Division have carried out numerous assignments for the American Library Association, New England Library Association, Massachusetts Library Association, New England and Massachusetts School Library Associations - serving as advisers for special projects or as members of important planning committees. The Division has also cooperated with a great many national and state agencies by planning and participating in related programs, preparing bibliographies, collecting statistical data, etc. A few of these cooperative efforts are listed below:

Co-sponsorship of Governor's Conference on Libraries with MLA, MLTA,
and State Library
 Organization and Administration for Massachusetts Library Aid Association
 of two in-service training courses in library science and scholarship
 grants for eight enrollees at University of New Hampshire Summer Session
 U.S. Office of Education - Library Services Branch - Collection of public library
 and college and university library statistics
 Encyclopaedia Britannica and Book-of-the-Month Club - selection of school and
 public library award winners
 State Federation of Women's Clubs - compilation of bibliography for Epsilon
 Sigma Omicron, statewide reading program
 Boston Herald-Traveler Children's Book Fair - co-sponsor with Children's
 Book Council and Boston Public Library
 Operation British - planning of visiting schedules for Boston area stay of over
 100 library assistants from the British Isles
 North Shore Library Club - window displays and bookmobile exhibit at North
 Shore Shopping Center
 WGBH-TV, World Affairs Council, National Repertory Theatre et al - distri-
 bution of adult education materials
 New England Telephone and Telegraph Company - preparation of article on
 libraries for April 1964 issue of house organ "The Bay Stater"
 School Building Assistance Commission - development of brochure "Ideas for
 Planning Your Instructional Materials Center"
 State Department of Correction - organization of all book materials for
 accessibility and library usage

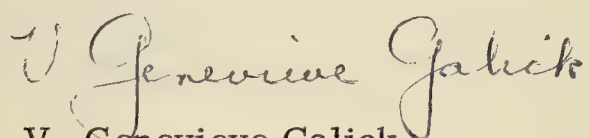
READING IS THE KEY

This was the campaign slogan for the observance of National Library Week in 1964. In launching the seventh National Library Week program, President Johnson said, "Libraries sustain and enhance our national life. They are a fundamental and vibrant resource for human intellectual and cultural development. . . They are a fortress against intolerance and ignorance and an instrument by which the unfortunate poor may be helped to break their bonds of physical and spiritual poverty."

We subscribe wholeheartedly to President Johnson's message. We are very proud of our libraries in Massachusetts but also very aware of our library weaknesses and inadequacies. We look forward eagerly under the recently enacted federal legislation - The Library Services and Construction Act - to increased federal funds which will assist this state agency in carrying out such major responsibilities as: long-range planning for a structure of coordinated library service needed to achieve national standards; the promotion of a climate of public opinion favorable to library development; and, the provision of more advisory assistance to local librarians and local library boards in identifying the separate character and development of a sound regional system program.

Massachusetts has a legal basis - the structure, the funds, and the action dynamics to provide for its citizens a future program of public library development greater and more exciting than its library past. In the present federal, state, and local fiscal partnership in support of library services, local librarians and trustees will be called upon to subscribe to an honest and realistic view of cooperation, to adjust to new necessities required by system developments, to accept necessary and reasonable controls administered at the federal and state levels, and to advocate a strong state-level library agency as the body to which local libraries - the arms of library service - can be connected. The time has come to place "the question of library support and development squarely in the political spotlight."

Respectfully submitted,

A handwritten signature in cursive script that reads "V. Genevieve Galick". The signature is written in dark ink and is positioned above the printed name.

V. Genevieve Galick

Director

Division of Library Extension

STATISTICAL SUMMARY

Finances

| | | |
|--|----|--------------|
| State appropriation for ordinary maintenance | \$ | 169,803.00 |
| Federal funds under LSA | | 122,847.00 |
| State grants to 300 cities and towns | | 1,258,697.64 |
| State aid reimbursements to regional systems | | 278,379.89 |
| Central Region - Fitchburg | | 63,195.79 |
| - Worcester | | 73,833.23 |
| Western Region - Northampton | | 17,778.57 |
| - Pittsfield | | 9,007.97 |
| - Springfield | | 114,564.33 |

Board of Library Commissioners

| | |
|---|----|
| Full Board Meetings | 10 |
| Meetings of Board Committees or Representatives | 6 |

Staff

| | | | |
|-------------------|-----------------------|--------------|----|
| Professional - 16 | Sub-Professional - 18 | Clerical - 8 | 42 |
|-------------------|-----------------------|--------------|----|

Staff Activities

| | |
|---------------------------------------|-----|
| Booklists and Bibliographies Compiled | 35 |
| Field Visits | 286 |
| Library Surveys | 10 |
| Meetings Attendance | 297 |
| Office Conferences | 291 |
| Tabulations of Statistical Data | 201 |
| Talks and Program Participation | 81 |
| Special Releases and Bulletins | 123 |

Book Collection and Services

| | |
|--|---------|
| Total number of books at headquarters, 6-30-64 | 58,708 |
| Total number of books at 4 regional offices, 6-30-64 | 95,404 |
| Books classified and cataloged | 11,759 |
| Books withdrawn | 4,507 |
| Books circulated (including bookmobiles) | 607,543 |
| Reference requests | 5,477 |
| Interlibrary loan requests | 4,382 |

Interlibrary loan requests cont'd.

Use of services by: 238 public libraries
 20 colleges, hospitals, institutions, etc.
 200 individuals and/or organizations
 113 public schools

Certification and Placement

| | |
|---|-----|
| Librarians certified by examination | 43 |
| Librarians certified by professional training | 4 |
| Certificates replaced | 1 |
| Positions listed with placement referral | 179 |
| Librarians registered with placement referral | 168 |
| Libraries using placement service | 109 |

State Certificate Reading Program

| | |
|---------------------------------|--------|
| Five-book certificates issued | 27,105 |
| Twenty-book certificates issued | 6,360 |
| Reading lists distributed | 237 |

In-Service Training Activities

| | |
|--------|------------|
| | Enrollees |
| | 95 |
| | 145 |
| | 76 |
| | 27 |
| | 71 |
| Total: | <u>414</u> |

Publications

| Publications | Issues |
|---|--------|
| 74th Annual Report of Board | 1 |
| Current List of Public Libraries and Librarians | 1 |
| Current List of School Libraries and Librarians | 1 |
| Division Newsletter | 12 |
| Trail Talk (North Reading Office) | 6 |
| Selected Buying List (Adult) | 4 |
| Children's Corner | 6 |
| Selected Accessions List - Headquarters | 1 |
| - North Reading | 12 |
| Random Notes for School Librarians | 4 |

ANNUAL REPORTDIVISION OF TEACHERS' RETIREMENT BOARD

For the period

JANUARY 1, 1963, to DECEMBER 31, 1963

During the calendar year 1963, the fiftieth consecutive year of managing the Massachusetts Teachers' Retirement System, the Teachers' Retirement Board pursued its activities in numbers and dollars to the extent of the following:- New teachers entering the service of the public schools of Massachusetts for the first time, of whom membership was required, numbered 5,550. There were 2 teachers who were in service prior to July 1, 1914, who voluntarily became members. Former teacher members who were reinstated numbered 996. Deposits in the amount of \$13,522,345.90 were received and credited to the accounts of the members. Deposits in the amount of \$136,692.86 were received by transfer from other retirement systems in the Commonwealth and were credited to members' accounts. The net interest on investments totaled \$5,287,927.97. The number of teachers who left the service through resignation totaled 3,465. Of this number, 1,602 received refunds totaling \$1,360,634.70 and 1,863 accounts totaling \$1,433,618.53 were transferred to the inactive membership account. Refunds totaling \$724,441.88 were paid from the inactive membership accounts to 1,097 teachers whose services had terminated through resignation prior to January 1, 1963. Transfers of deposits in the amount of \$176,380.96 were made to other retirement systems on account of 120 teachers, who terminated by resignation. Refunds of \$304,408.49 were paid to the beneficiaries and estates of 57 teachers who died in 1963 and \$6,087.75 was paid on account of 4 teachers who died prior to January 1, 1963.

Retirement allowances on account of superannuation were established for 702 teachers in the amount of \$2,911,934.76, of which \$458,586.60 is annuity which is derived from the accumulated total deductions of the teacher on the date of retirement and \$2,453,348.16 is pension chargeable to the appropriation made by the Commonwealth for this purpose. Retirement allowances on account of ordinary disability were established for 5 teachers in the amount of \$11,467.32, of which \$1,564.56 is annuity and \$9,902.76 is pension. A retirement allowance on account of accidental disability was established for 1 teacher in the amount of \$3,112.08, of which \$178.80 is annuity and \$2,933.28 is pension.

Member-survivor allowances were established in 6 instances in which the teacher died before retirement and had appointed an eligible beneficiary. The total of the annual allowances was \$14,982.24, of which \$4,048.20 is annuity and \$10,934.04 is pension. Member-survivor allowances were established in 35 other instances in which teachers died before retirement without nominating an eligible beneficiary and the spouse was eligible to elect the member-survivor allowance in lieu of a cash refund of the accumulated total deductions to the credit of the member on his date of death. This number includes 1 case in which a retired teacher died within 30 days of the date of retirement and the spouse elected to receive the allowance in lieu of a cash refund. The total of the annual allowances established in

these cases was \$52,459.68, of which \$14,595.00 is annuity and \$37,864.68 is pension. Survivor allowances were also established in 14 instances in which the teacher member died before retirement, and the widow or person acting for surviving children under age 18 or over said age who were mentally or physically incapacitated from earning on the date of death of the member, elected to receive benefits for widows and/or children. The total of the annual allowances so established was \$28,560.00, of which \$4,112.77 is derived from the accumulated total deductions and \$24,447.23 is chargeable to the Commonwealth appropriation. In all 763 teachers or their survivors were placed on the retired roll of the system.

There were 291 retired teachers who died, and of this number there were 14 instances in which survivor allowances were continued to an eligible beneficiary, as the teacher had elected the joint and last survivor form of retirement allowance at the time of retirement. The total of survivor allowances to be continued was \$28,334.64, of which \$5,388.96 is annuity and \$22,945.68 is pension. In the remaining 277 instances a total of \$263,514.18 was paid to the beneficiaries or estates of teachers who had elected the cash refund annuity form of retirement allowance at the time of retirement. In addition, 11 beneficiaries who were receiving survivor allowances died and in these instances no further payments were made after the death. In all 288 teachers and beneficiaries were removed from the retired roll of the system.

As of December 31, 1963, there were 7,418 retired teachers and survivors receiving allowances from the system. The annual retirement allowances of these persons totals \$21,670,266.48, of which \$3,749,157.13 is annuity and \$17,921,109.35 is pension. Of this number 130 were receiving allowances on account of ordinary disability totaling \$198,389.28, of which \$28,473.48 is annuity and \$169,915.80 is pension; 12 were receiving allowances on account of accidental disability totaling \$47,599.68, of which \$4,191.12 is annuity and \$43,408.56 is pension; 1 spouse was receiving an accidental death benefit in the amount of \$4,179.12 per year all chargeable to pension; 106 beneficiaries were receiving joint and last survivor allowances totaling \$181,877.52, of which \$39,270.12 is annuity and \$142,607.40 is pension; 81 survivors of teachers who died before retirement and who had been appointed by the member as survivor allowance beneficiaries, were receiving allowances totaling \$141,145.80, of which \$39,953.40 is annuity and \$101,192.40 is pension; 275 survivors of teachers who died before retirement and who as spouses elected to receive member-survivor allowances in lieu of cash refunds, were receiving allowances totaling \$339,052.56, of which \$82,763.40 is annuity and \$256,289.16 is pension - included in this number are 2 spouses of teachers who retired and died within 30 days of the date of retirement; 47 widows and persons, acting for surviving children under age 18 or over said age and physically or mentally incapacitated from earning on the date of death of the teacher, were receiving allowances as widows and/or surviving children, totaling \$100,440.00, of which \$10,824.97 is derived from accumulated total deductions and \$89,615.03 is chargeable to the pension appropriation made by the Commonwealth - included in this number are 7 husbands or guardians receiving allowances paid solely for the eligible children of female teacher members. There were 6,766 living retired teachers receiving superannuation retirement allowances in the amount of \$20,657,582.52, of which \$3,543,680.64 is annuity and \$17,113,901.88 is

pension.

Annual statements of balances of members' individual accounts were mailed seasonably to 46,036 members; of this number 42,385 were members actively engaged in the teaching service; 3,651 were inactive members, those who have terminated from the teaching service other than by retirement and death, and who have left the accumulated deductions on deposit.

The annual financial statement of the system required of the Teachers' Retirement Board was filed seasonably with the Office of the Commissioner of Insurance.

The annual reports required of the Teachers' Retirement Board were filed seasonably with the Governor, State Treasurer and Commissioner of Education.

On December 31, 1963, the estimated amount of reimbursement to be paid by the Commonwealth for the school year 1962-1963 on account of pensions of teachers retired under the local systems was as follows:

| | |
|--------------------------------|---------------|
| Boston School Committee | \$ 298,907.00 |
| Boston Retirement Board | 136,382.00 |
| State-Boston Retirement System | 3,389,817.00 |
| Brookline | 5,453.00 |
| Cambridge | 1,602.00 |
| Milton | 6,073.00 |
| Pittsfield | 3,056.00 |
| Wellesley | 1,200.00 |

Respectfully submitted,
Owen B. Kiernan, Commissioner and Chairman
Raymon W. Eldridge
Helen N. Thienert

December 31, 1963

Securities (Bonds and Notes)

198

Schedule "A"

| Description | Rate
(Per
Cent) | Par Value | Amortized Value
December 31, 1963 | Accrued Interest
December 31, 1963 |
|---------------|-----------------------|------------|--------------------------------------|---------------------------------------|
| Boston, Mass. | 3 | 420,000.00 | 465,929.44 | 1,050.00 |
| Boston, Mass. | 4 | 171,900.00 | 168,533.56 | 1,719.00 |
| Boston, Mass. | 4 $\frac{1}{4}$ | 50,000.00 | 49,639.25 | 1,062.50 |
| Paxton, Mass. | 4 | 2,000.00 | 2,000.64 | 33.33 |
| Total | | 643,900.00 | 686,102.89 | 3,864.83 |

| ... | ... | ... | ... | ... |
|-----|-----|-----|-----|-----|
| ... | ... | ... | ... | ... |
| ... | ... | ... | ... | ... |
| ... | ... | ... | ... | ... |
| ... | ... | ... | ... | ... |
| ... | ... | ... | ... | ... |

Securities (Bonds and Notes)

Schedule "B"

| Description | Rate
(Per
Cent) | Par Value | Amortized Value
December 31, 1963 | Accrued Interest
December 31, 1963 |
|-----------------------|-----------------------|------------|--------------------------------------|---------------------------------------|
| Cleveland, Ohio | 4 $\frac{1}{2}$ | 10,000.00 | 10,132.47 | 75.00 |
| Cleveland, Ohio | 5 | 50,000.00 | 51,489.06 | 833.33 |
| Des Moines, Iowa | 5 | 25,000.00 | 25,777.99 | 104.17 |
| Long Beach, Calif. | 4 | 90,000.00 | 92,491.15 | 300.00 |
| Long Beach, Calif. | 5 | 15,000.00 | 15,078.59 | 62.50 |
| Newport, R. I. | 4 | 41,000.00 | 41,000.00 | 683.34 |
| Norwalk, Conn. | 3 $\frac{3}{4}$ | 20,000.00 | 19,440.60 | 156.24 |
| Norwalk, Conn. | 4 | 32,000.00 | 31,617.35 | 373.33 |
| Providence, R. I. | 4 | 11,000.00 | 10,960.54 | 220.00 |
| Richmond, Va. | 4 $\frac{1}{2}$ | 100,000.00 | 100,168.97 | 2,250.00 |
| San Francisco, Calif. | 4 $\frac{1}{2}$ | 75,000.00 | 78,341.04 | 1,687.50 |
| Total | | 469,000.00 | 476,497.76 | 6,745.41 |

Continued

| STATION NO. | DATE | TIME | WIND | WAVE |
|-------------|-----------|----------|------|-------|
| 10-21 | 10-21-61 | 10:00 AM | 4-5 | 10-15 |
| 10-22 | 10-22-61 | 10:00 AM | 2 | 10-15 |
| 10-23 | 10-23-61 | 10:00 AM | 2 | 10-15 |
| 10-24 | 10-24-61 | 10:00 AM | 3 | 10-15 |
| 10-25 | 10-25-61 | 10:00 AM | 3 | 10-15 |
| 10-26 | 10-26-61 | 10:00 AM | 4 | 10-15 |
| 10-27 | 10-27-61 | 10:00 AM | 3-4 | 10-15 |
| 10-28 | 10-28-61 | 10:00 AM | 4 | 10-15 |
| 10-29 | 10-29-61 | 10:00 AM | 4 | 10-15 |
| 10-30 | 10-30-61 | 10:00 AM | 4 | 10-15 |
| 10-31 | 10-31-61 | 10:00 AM | 4-5 | 10-15 |
| 10-32 | 10-32-61 | 10:00 AM | 4-5 | 10-15 |
| 10-33 | 10-33-61 | 10:00 AM | 4-5 | 10-15 |
| 10-34 | 10-34-61 | 10:00 AM | 4-5 | 10-15 |
| 10-35 | 10-35-61 | 10:00 AM | 4-5 | 10-15 |
| 10-36 | 10-36-61 | 10:00 AM | 4-5 | 10-15 |
| 10-37 | 10-37-61 | 10:00 AM | 4-5 | 10-15 |
| 10-38 | 10-38-61 | 10:00 AM | 4-5 | 10-15 |
| 10-39 | 10-39-61 | 10:00 AM | 4-5 | 10-15 |
| 10-40 | 10-40-61 | 10:00 AM | 4-5 | 10-15 |
| 10-41 | 10-41-61 | 10:00 AM | 4-5 | 10-15 |
| 10-42 | 10-42-61 | 10:00 AM | 4-5 | 10-15 |
| 10-43 | 10-43-61 | 10:00 AM | 4-5 | 10-15 |
| 10-44 | 10-44-61 | 10:00 AM | 4-5 | 10-15 |
| 10-45 | 10-45-61 | 10:00 AM | 4-5 | 10-15 |
| 10-46 | 10-46-61 | 10:00 AM | 4-5 | 10-15 |
| 10-47 | 10-47-61 | 10:00 AM | 4-5 | 10-15 |
| 10-48 | 10-48-61 | 10:00 AM | 4-5 | 10-15 |
| 10-49 | 10-49-61 | 10:00 AM | 4-5 | 10-15 |
| 10-50 | 10-50-61 | 10:00 AM | 4-5 | 10-15 |
| 10-51 | 10-51-61 | 10:00 AM | 4-5 | 10-15 |
| 10-52 | 10-52-61 | 10:00 AM | 4-5 | 10-15 |
| 10-53 | 10-53-61 | 10:00 AM | 4-5 | 10-15 |
| 10-54 | 10-54-61 | 10:00 AM | 4-5 | 10-15 |
| 10-55 | 10-55-61 | 10:00 AM | 4-5 | 10-15 |
| 10-56 | 10-56-61 | 10:00 AM | 4-5 | 10-15 |
| 10-57 | 10-57-61 | 10:00 AM | 4-5 | 10-15 |
| 10-58 | 10-58-61 | 10:00 AM | 4-5 | 10-15 |
| 10-59 | 10-59-61 | 10:00 AM | 4-5 | 10-15 |
| 10-60 | 10-60-61 | 10:00 AM | 4-5 | 10-15 |
| 10-61 | 10-61-61 | 10:00 AM | 4-5 | 10-15 |
| 10-62 | 10-62-61 | 10:00 AM | 4-5 | 10-15 |
| 10-63 | 10-63-61 | 10:00 AM | 4-5 | 10-15 |
| 10-64 | 10-64-61 | 10:00 AM | 4-5 | 10-15 |
| 10-65 | 10-65-61 | 10:00 AM | 4-5 | 10-15 |
| 10-66 | 10-66-61 | 10:00 AM | 4-5 | 10-15 |
| 10-67 | 10-67-61 | 10:00 AM | 4-5 | 10-15 |
| 10-68 | 10-68-61 | 10:00 AM | 4-5 | 10-15 |
| 10-69 | 10-69-61 | 10:00 AM | 4-5 | 10-15 |
| 10-70 | 10-70-61 | 10:00 AM | 4-5 | 10-15 |
| 10-71 | 10-71-61 | 10:00 AM | 4-5 | 10-15 |
| 10-72 | 10-72-61 | 10:00 AM | 4-5 | 10-15 |
| 10-73 | 10-73-61 | 10:00 AM | 4-5 | 10-15 |
| 10-74 | 10-74-61 | 10:00 AM | 4-5 | 10-15 |
| 10-75 | 10-75-61 | 10:00 AM | 4-5 | 10-15 |
| 10-76 | 10-76-61 | 10:00 AM | 4-5 | 10-15 |
| 10-77 | 10-77-61 | 10:00 AM | 4-5 | 10-15 |
| 10-78 | 10-78-61 | 10:00 AM | 4-5 | 10-15 |
| 10-79 | 10-79-61 | 10:00 AM | 4-5 | 10-15 |
| 10-80 | 10-80-61 | 10:00 AM | 4-5 | 10-15 |
| 10-81 | 10-81-61 | 10:00 AM | 4-5 | 10-15 |
| 10-82 | 10-82-61 | 10:00 AM | 4-5 | 10-15 |
| 10-83 | 10-83-61 | 10:00 AM | 4-5 | 10-15 |
| 10-84 | 10-84-61 | 10:00 AM | 4-5 | 10-15 |
| 10-85 | 10-85-61 | 10:00 AM | 4-5 | 10-15 |
| 10-86 | 10-86-61 | 10:00 AM | 4-5 | 10-15 |
| 10-87 | 10-87-61 | 10:00 AM | 4-5 | 10-15 |
| 10-88 | 10-88-61 | 10:00 AM | 4-5 | 10-15 |
| 10-89 | 10-89-61 | 10:00 AM | 4-5 | 10-15 |
| 10-90 | 10-90-61 | 10:00 AM | 4-5 | 10-15 |
| 10-91 | 10-91-61 | 10:00 AM | 4-5 | 10-15 |
| 10-92 | 10-92-61 | 10:00 AM | 4-5 | 10-15 |
| 10-93 | 10-93-61 | 10:00 AM | 4-5 | 10-15 |
| 10-94 | 10-94-61 | 10:00 AM | 4-5 | 10-15 |
| 10-95 | 10-95-61 | 10:00 AM | 4-5 | 10-15 |
| 10-96 | 10-96-61 | 10:00 AM | 4-5 | 10-15 |
| 10-97 | 10-97-61 | 10:00 AM | 4-5 | 10-15 |
| 10-98 | 10-98-61 | 10:00 AM | 4-5 | 10-15 |
| 10-99 | 10-99-61 | 10:00 AM | 4-5 | 10-15 |
| 10-100 | 10-100-61 | 10:00 AM | 4-5 | 10-15 |

Schedule "C"

| Description | Rate
(Per
Cent) | Par Value | Amortized Value
December 31, 1963 | Accrued Interest
December 31, 1963 |
|----------------------|-----------------------|---------------|--------------------------------------|---------------------------------------|
| U. S. Treasury Bonds | 2 $\frac{1}{2}$ | 11,135,000.00 | 10,854,497.20 | 58,907.99 |
| U. S. Treasury Bonds | 2 $\frac{3}{4}$ | 29,319,000.00 | 29,565,994.35 | 201,568.12 |
| U. S. Treasury Bonds | 3 | 4,429,000.00 | 4,446,013.00 | 49,826.25 |
| U. S. Treasury Bonds | 3 $\frac{1}{4}$ | 1,050,000.00 | 1,052,326.69 | 1,489.58 |
| U. S. Treasury Bonds | 3 $\frac{3}{8}$ | 736,000.00 | 736,000.00 | 3,105.00 |
| U. S. Treasury Bonds | 3 $\frac{1}{2}$ | 10,085,000.00 | 10,328,817.08 | 69,496.87 |
| U. S. Treasury Bonds | 3 $\frac{5}{8}$ | 1,350,000.00 | 1,350,000.00 | 6,117.19 |
| U. S. Treasury Bonds | 3 $\frac{3}{4}$ | 1,350,000.00 | 1,348,823.46 | 11,015.63 |
| U. S. Treasury Bonds | 4 | 600,000.00 | 590,512.93 | 7,666.67 |
| U. S. Treasury Bonds | 4 $\frac{1}{4}$ | 2,000,000.00 | 2,000,000.00 | 10,625.00 |
| U. S. Treasury Notes | 4 $\frac{3}{4}$ | 1,000,000.00 | 999,709.44 | 5,937.50 |
| U. S. Treasury Notes | 5 | 225,000.00 | 225,000.00 | 4,218.75 |
| Total | | 63,279,000.00 | 63,497,694.15 | 429,974.55 |

Schedule "D"

| Description | Rate
(Per
Cent) | Par Value | Amortized Value
December 31, 1963 | Accrued Interest
December 31, 1963 |
|---|-----------------------|--------------|--------------------------------------|---------------------------------------|
| Chesapeake & Ohio R. R.
Equipment Bonds | 3 | 300,000.00 | 296,641.21 | 3,249.99 |
| Chicago, Burlington &
Quincy R. R. Equipment Bonds | 2 5/8 | 100,000.00 | 99,419.76 | 1,312.50 |
| Chicago, Burlington &
Quincy R. R. Equipment Bonds | 3 1/8 | 250,000.00 | 250,182.37 | 3,255.20 |
| N.Y., Chicago & St. Louis
R. R. Equipment Bonds | 3 3/8 | 100,000.00 | 100,007.80 | 281.25 |
| Northern Pacific R. R.
Equipment Bonds | 3 1/8 | 100,000.00 | 99,969.85 | 1,171.87 |
| St. Louis, San Francisco
R. R. Equipment Bonds | 3 3/8 | 100,000.00 | 100,401.48 | 281.25 |
| So. Pacific R. R. Equipment
Bonds | 3 1/4 | 150,000.00 | 149,594.75 | 2,437.50 |
| Total | | 1,100,000.00 | 1,096,217.22 | 11,989.56 |

| NAME | AGE | SEX | RELATION | DATE |
|--------------------|-----|-----|----------|------|
| JOHN A. BROWN | 25 | M | Son | 1910 |
| MARY E. BROWN | 22 | F | Daughter | 1910 |
| WILLIAM C. BROWN | 20 | M | Son | 1910 |
| ELIZABETH D. BROWN | 18 | F | Daughter | 1910 |
| CHARLES F. BROWN | 16 | M | Son | 1910 |
| ANNE G. BROWN | 14 | F | Daughter | 1910 |
| ROBERT H. BROWN | 12 | M | Son | 1910 |
| HELEN I. BROWN | 10 | F | Daughter | 1910 |
| JAMES J. BROWN | 8 | M | Son | 1910 |
| MARGARET K. BROWN | 6 | F | Daughter | 1910 |
| FRANK L. BROWN | 4 | M | Son | 1910 |
| JOHN M. BROWN | 2 | M | Son | 1910 |

Securities (Bonds and Notes)

200

Schedule "E"

| Description | Rate
(Per
Cent) | Par Value | Amortized Value
December 31, 1963 | Accrued Interest
December 31, 1963 |
|---|-----------------------|--------------|--------------------------------------|---------------------------------------|
| Am. Tel. & Tel. Co. | 2 5/8 | 100,000.00 | 97,993.68 | 1,312.50 |
| Am. Tel. & Tel. Co. | 2 3/4 | 250,000.00 | 246,425.88 | 2,406.25 |
| Am. Tel. & Tel. Co. | 3 1/4 | 250,000.00 | 254,932.88 | 2,369.79 |
| Am. Tel. & Tel. Co. | 3 7/8 | 500,000.00 | 512,025.76 | 9,687.50 |
| Am. Tel. & Tel. Co. | 4 3/8 | 2,100,000.00 | 2,123,027.59 | 21,145.58 |
| Bell Tel. of Penn. | 3 1/4 | 150,000.00 | 151,494.23 | 1,625.00 |
| Bell Tel. of Penn. | 3 3/4 | 1,000,000.00 | 1,016,310.98 | 15,625.00 |
| Bell Tel. of Penn. | 4 3/4 | 500,000.00 | 513,286.67 | 3,958.33 |
| Chesapeake & Potomac Tel. Co. | 3 1/4 | 100,000.00 | 102,504.98 | 1,354.17 |
| Chesapeake & Potomac Tel. Co. | 4 1/8 | 520,000.00 | 540,310.27 | 1,787.50 |
| Chesapeake & Potomac Tel. Co. | 4 3/8 | 500,000.00 | 506,657.72 | 9,114.58 |
| Chesapeake & Potomac Tel. Co.
of Maryland | 4 3/8 | 500,000.00 | 514,231.69 | 10,937.50 |
| Chesapeake & Potomac Tel. Co.
of West Virginia | 5 | 500,000.00 | 510,125.92 | 8,333.33 |
| General Tel. of Calif. | 4 1/2 | 200,000.00 | 202,574.94 | 3,000.00 |
| General Tel. of Calif. | 5 | 300,000.00 | 300,000.00 | 1,250.00 |
| Illinois Bell Tel. Co. | 3 | 200,000.00 | 201,020.14 | 500.00 |
| Illinois Bell Tel. Co. | 3 1/8 | 300,000.00 | 301,862.09 | 2,343.75 |
| Illinois Bell Tel. Co. | 4 1/4 | 250,000.00 | 253,015.49 | 3,541.67 |
| Illinois Bell Tel. Co. | 4 3/8 | 350,000.00 | 351,618.36 | 5,104.16 |
| Indiana Bell Tel. Co. | 4 3/8 | 300,000.00 | 305,977.28 | 1,093.75 |
| Michigan Bell Tel. Co. | 4 3/8 | 250,000.00 | 255,069.34 | 911.46 |
| Michigan Bell Tel. Co. | 4 3/4 | 525,000.00 | 564,566.48 | 4,156.25 |

General

| Year | Amount | Percentage | Total | Notes |
|---------|-------------|------------|-------------|-------|
| 1887-88 | 100,000,000 | 100% | 100,000,000 | |
| 1888-89 | 100,000,000 | 100% | 100,000,000 | |
| 1889-90 | 100,000,000 | 100% | 100,000,000 | |
| 1890-91 | 100,000,000 | 100% | 100,000,000 | |
| 1891-92 | 100,000,000 | 100% | 100,000,000 | |
| 1892-93 | 100,000,000 | 100% | 100,000,000 | |
| 1893-94 | 100,000,000 | 100% | 100,000,000 | |
| 1894-95 | 100,000,000 | 100% | 100,000,000 | |
| 1895-96 | 100,000,000 | 100% | 100,000,000 | |
| 1896-97 | 100,000,000 | 100% | 100,000,000 | |
| 1897-98 | 100,000,000 | 100% | 100,000,000 | |
| 1898-99 | 100,000,000 | 100% | 100,000,000 | |
| 1899-00 | 100,000,000 | 100% | 100,000,000 | |
| 1900-01 | 100,000,000 | 100% | 100,000,000 | |
| 1901-02 | 100,000,000 | 100% | 100,000,000 | |
| 1902-03 | 100,000,000 | 100% | 100,000,000 | |
| 1903-04 | 100,000,000 | 100% | 100,000,000 | |
| 1904-05 | 100,000,000 | 100% | 100,000,000 | |
| 1905-06 | 100,000,000 | 100% | 100,000,000 | |
| 1906-07 | 100,000,000 | 100% | 100,000,000 | |
| 1907-08 | 100,000,000 | 100% | 100,000,000 | |
| 1908-09 | 100,000,000 | 100% | 100,000,000 | |
| 1909-10 | 100,000,000 | 100% | 100,000,000 | |
| 1910-11 | 100,000,000 | 100% | 100,000,000 | |
| 1911-12 | 100,000,000 | 100% | 100,000,000 | |
| 1912-13 | 100,000,000 | 100% | 100,000,000 | |
| 1913-14 | 100,000,000 | 100% | 100,000,000 | |
| 1914-15 | 100,000,000 | 100% | 100,000,000 | |
| 1915-16 | 100,000,000 | 100% | 100,000,000 | |
| 1916-17 | 100,000,000 | 100% | 100,000,000 | |
| 1917-18 | 100,000,000 | 100% | 100,000,000 | |
| 1918-19 | 100,000,000 | 100% | 100,000,000 | |
| 1919-20 | 100,000,000 | 100% | 100,000,000 | |
| 1920-21 | 100,000,000 | 100% | 100,000,000 | |
| 1921-22 | 100,000,000 | 100% | 100,000,000 | |
| 1922-23 | 100,000,000 | 100% | 100,000,000 | |
| 1923-24 | 100,000,000 | 100% | 100,000,000 | |
| 1924-25 | 100,000,000 | 100% | 100,000,000 | |
| 1925-26 | 100,000,000 | 100% | 100,000,000 | |
| 1926-27 | 100,000,000 | 100% | 100,000,000 | |
| 1927-28 | 100,000,000 | 100% | 100,000,000 | |
| 1928-29 | 100,000,000 | 100% | 100,000,000 | |
| 1929-30 | 100,000,000 | 100% | 100,000,000 | |
| 1930-31 | 100,000,000 | 100% | 100,000,000 | |
| 1931-32 | 100,000,000 | 100% | 100,000,000 | |
| 1932-33 | 100,000,000 | 100% | 100,000,000 | |
| 1933-34 | 100,000,000 | 100% | 100,000,000 | |
| 1934-35 | 100,000,000 | 100% | 100,000,000 | |
| 1935-36 | 100,000,000 | 100% | 100,000,000 | |
| 1936-37 | 100,000,000 | 100% | 100,000,000 | |
| 1937-38 | 100,000,000 | 100% | 100,000,000 | |
| 1938-39 | 100,000,000 | 100% | 100,000,000 | |
| 1939-40 | 100,000,000 | 100% | 100,000,000 | |
| 1940-41 | 100,000,000 | 100% | 100,000,000 | |
| 1941-42 | 100,000,000 | 100% | 100,000,000 | |
| 1942-43 | 100,000,000 | 100% | 100,000,000 | |
| 1943-44 | 100,000,000 | 100% | 100,000,000 | |
| 1944-45 | 100,000,000 | 100% | 100,000,000 | |
| 1945-46 | 100,000,000 | 100% | 100,000,000 | |
| 1946-47 | 100,000,000 | 100% | 100,000,000 | |
| 1947-48 | 100,000,000 | 100% | 100,000,000 | |
| 1948-49 | 100,000,000 | 100% | 100,000,000 | |
| 1949-50 | 100,000,000 | 100% | 100,000,000 | |
| 1950-51 | 100,000,000 | 100% | 100,000,000 | |
| 1951-52 | 100,000,000 | 100% | 100,000,000 | |
| 1952-53 | 100,000,000 | 100% | 100,000,000 | |
| 1953-54 | 100,000,000 | 100% | 100,000,000 | |
| 1954-55 | 100,000,000 | 100% | 100,000,000 | |
| 1955-56 | 100,000,000 | 100% | 100,000,000 | |
| 1956-57 | 100,000,000 | 100% | 100,000,000 | |
| 1957-58 | 100,000,000 | 100% | 100,000,000 | |
| 1958-59 | 100,000,000 | 100% | 100,000,000 | |
| 1959-60 | 100,000,000 | 100% | 100,000,000 | |
| 1960-61 | 100,000,000 | 100% | 100,000,000 | |
| 1961-62 | 100,000,000 | 100% | 100,000,000 | |
| 1962-63 | 100,000,000 | 100% | 100,000,000 | |
| 1963-64 | 100,000,000 | 100% | 100,000,000 | |
| 1964-65 | 100,000,000 | 100% | 100,000,000 | |
| 1965-66 | 100,000,000 | 100% | 100,000,000 | |
| 1966-67 | 100,000,000 | 100% | 100,000,000 | |
| 1967-68 | 100,000,000 | 100% | 100,000,000 | |
| 1968-69 | 100,000,000 | 100% | 100,000,000 | |
| 1969-70 | 100,000,000 | 100% | 100,000,000 | |
| 1970-71 | 100,000,000 | 100% | 100,000,000 | |
| 1971-72 | 100,000,000 | 100% | 100,000,000 | |
| 1972-73 | 100,000,000 | 100% | 100,000,000 | |
| 1973-74 | 100,000,000 | 100% | 100,000,000 | |
| 1974-75 | 100,000,000 | 100% | 100,000,000 | |
| 1975-76 | 100,000,000 | 100% | 100,000,000 | |
| 1976-77 | 100,000,000 | 100% | 100,000,000 | |
| 1977-78 | 100,000,000 | 100% | 100,000,000 | |
| 1978-79 | 100,000,000 | 100% | 100,000,000 | |
| 1979-80 | 100,000,000 | 100% | 100,000,000 | |
| 1980-81 | 100,000,000 | 100% | 100,000,000 | |
| 1981-82 | 100,000,000 | 100% | 100,000,000 | |
| 1982-83 | 100,000,000 | 100% | 100,000,000 | |
| 1983-84 | 100,000,000 | 100% | 100,000,000 | |
| 1984-85 | 100,000,000 | 100% | 100,000,000 | |
| 1985-86 | 100,000,000 | 100% | 100,000,000 | |
| 1986-87 | 100,000,000 | 100% | 100,000,000 | |
| 1987-88 | 100,000,000 | 100% | 100,000,000 | |

Securities (Bonds and Notes)

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- 2 - Schedule "E"

| Description | Rate
(Per
Cent) | Par Value | Amortized Value
December 31, 1963 | Accrued Interest
December 31, 1963 |
|---------------------------------|-----------------------|------------|--------------------------------------|---------------------------------------|
| Mountain States Tel. & Tel. Co. | 3 | 150,000.00 | 151,337.48 | 1,875.00 |
| Mountain States Tel. & Tel. Co. | 3 1/8 | 125,000.00 | 125,642.00 | 976.56 |
| Mountain States Tel. & Tel. Co. | 3 1/2 | 325,000.00 | 323,439.80 | 947.92 |
| Mountain States Tel. & Tel. Co. | 4 3/8 | 400,000.00 | 404,834.17 | 7,291.67 |
| Mountain States Tel. & Tel. Co. | 5 | 500,000.00 | 510,990.73 | 6,250.00 |
| N. E. Tel. & Tel. Co. | 3 | 350,000.00 | 355,919.07 | 3,062.50 |
| N. E. Tel. & Tel. Co. | 3 1/4 | 450,000.00 | 454,327.92 | 1,557.29 |
| N. E. Tel. & Tel. Co. | 4 1/2 | 500,000.00 | 504,585.98 | 11,250.00 |
| N. E. Tel. & Tel. Co. | 4 5/8 | 500,000.00 | 509,774.67 | 5,781.25 |
| N. J. Bell Tel. Co. | 2 3/4 | 100,000.00 | 97,328.67 | 802.08 |
| N. J. Bell Tel. Co. | 3 | 200,000.00 | 201,630.99 | 1,000.00 |
| N. J. Bell Tel. Co. | 3 1/8 | 250,000.00 | 255,815.23 | 3,580.73 |
| N. Y. Tel. Co. | 2 3/4 | 200,000.00 | 186,281.67 | 2,520.83 |
| N. Y. Tel. Co. | 3 | 150,000.00 | 151,342.71 | 937.50 |
| N. Y. Tel. Co. | 3 1/8 | 250,000.00 | 252,073.72 | 3,255.21 |
| N. Y. Tel. Co. | 4 1/8 | 900,000.00 | 919,381.57 | 18,562.50 |
| N. Y. Tel. Co. | 4 1/4 | 450,000.00 | 453,325.94 | 9,562.50 |
| N. Y. Tel. Co. | 4 1/2 | 300,000.00 | 304,729.75 | 1,687.50 |
| N. Y. Tel. Co. | 4 5/8 | 950,000.00 | 965,326.54 | 19,656.25 |
| Northwestern Bell Tel. Co. | 4 7/8 | 500,000.00 | 506,276.40 | 2,031.25 |
| Pacific Northwest Bell Tel. Co. | 4 3/8 | 300,000.00 | 304,125.00 | 4,375.00 |
| Pacific Northwest Bell Tel. Co. | 4 1/2 | 250,000.00 | 247,516.58 | 1,875.00 |
| Pacific Tel. & Tel. Co. | 2 7/8 | 100,000.00 | 99,206.45 | 718.75 |
| Pacific Tel. & Tel. Co. | 3 1/8 | 200,000.00 | 203,028.11 | 781.25 |

| Account Name | Balance Forward | Debit | Credit | Balance |
|--------------|-----------------|-------|--------|-----------|
| 1.000.00 | 1.000.00 | | | 1.000.00 |
| 2.000.00 | 2.000.00 | | | 2.000.00 |
| 3.000.00 | 3.000.00 | | | 3.000.00 |
| 4.000.00 | 4.000.00 | | | 4.000.00 |
| 5.000.00 | 5.000.00 | | | 5.000.00 |
| 6.000.00 | 6.000.00 | | | 6.000.00 |
| 7.000.00 | 7.000.00 | | | 7.000.00 |
| 8.000.00 | 8.000.00 | | | 8.000.00 |
| 9.000.00 | 9.000.00 | | | 9.000.00 |
| 10.000.00 | 10.000.00 | | | 10.000.00 |
| 11.000.00 | 11.000.00 | | | 11.000.00 |
| 12.000.00 | 12.000.00 | | | 12.000.00 |
| 13.000.00 | 13.000.00 | | | 13.000.00 |
| 14.000.00 | 14.000.00 | | | 14.000.00 |
| 15.000.00 | 15.000.00 | | | 15.000.00 |
| 16.000.00 | 16.000.00 | | | 16.000.00 |
| 17.000.00 | 17.000.00 | | | 17.000.00 |
| 18.000.00 | 18.000.00 | | | 18.000.00 |
| 19.000.00 | 19.000.00 | | | 19.000.00 |
| 20.000.00 | 20.000.00 | | | 20.000.00 |
| 21.000.00 | 21.000.00 | | | 21.000.00 |
| 22.000.00 | 22.000.00 | | | 22.000.00 |
| 23.000.00 | 23.000.00 | | | 23.000.00 |
| 24.000.00 | 24.000.00 | | | 24.000.00 |
| 25.000.00 | 25.000.00 | | | 25.000.00 |
| 26.000.00 | 26.000.00 | | | 26.000.00 |
| 27.000.00 | 27.000.00 | | | 27.000.00 |
| 28.000.00 | 28.000.00 | | | 28.000.00 |
| 29.000.00 | 29.000.00 | | | 29.000.00 |
| 30.000.00 | 30.000.00 | | | 30.000.00 |
| 31.000.00 | 31.000.00 | | | 31.000.00 |
| 32.000.00 | 32.000.00 | | | 32.000.00 |
| 33.000.00 | 33.000.00 | | | 33.000.00 |
| 34.000.00 | 34.000.00 | | | 34.000.00 |
| 35.000.00 | 35.000.00 | | | 35.000.00 |
| 36.000.00 | 36.000.00 | | | 36.000.00 |
| 37.000.00 | 37.000.00 | | | 37.000.00 |
| 38.000.00 | 38.000.00 | | | 38.000.00 |
| 39.000.00 | 39.000.00 | | | 39.000.00 |
| 40.000.00 | 40.000.00 | | | 40.000.00 |
| 41.000.00 | 41.000.00 | | | 41.000.00 |
| 42.000.00 | 42.000.00 | | | 42.000.00 |
| 43.000.00 | 43.000.00 | | | 43.000.00 |
| 44.000.00 | 44.000.00 | | | 44.000.00 |
| 45.000.00 | 45.000.00 | | | 45.000.00 |
| 46.000.00 | 46.000.00 | | | 46.000.00 |
| 47.000.00 | 47.000.00 | | | 47.000.00 |
| 48.000.00 | 48.000.00 | | | 48.000.00 |
| 49.000.00 | 49.000.00 | | | 49.000.00 |
| 50.000.00 | 50.000.00 | | | 50.000.00 |

Securities (Bonds and Notes)

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- 3 - Schedule "E"

| Description | Rate
(Per
Cent) | Par Value | Amortized Value
December 31, 1963 | Accrued Interest
December 31, 1963 |
|----------------------------|-----------------------|---------------|--------------------------------------|---------------------------------------|
| Pacific Tel. & Tel. Co. | 3 $\frac{1}{4}$ | 400,000.00 | 406,266.43 | 3,317.70 |
| Pacific Tel. & Tel. Co. | 3 $\frac{1}{2}$ | 150,000.00 | 153,001.76 | 656.25 |
| Pacific Tel. & Tel. Co. | 3 $\frac{5}{8}$ | 350,000.00 | 357,693.60 | 4,757.81 |
| Pacific Tel. & Tel. Co. | 4 $\frac{5}{8}$ | 600,000.00 | 616,649.63 | 4,625.00 |
| Pacific Tel. & Tel. Co. | 5 $\frac{1}{8}$ | 700,000.00 | 707,956.89 | 14,947.92 |
| So. Bell Tel. & Tel. Co. | 2 $\frac{3}{4}$ | 100,000.00 | 94,536.70 | 1,145.83 |
| So. Bell Tel. & Tel. Co. | 3 $\frac{1}{8}$ | 200,000.00 | 203,913.94 | 2,083.33 |
| So. Bell Tel. & Tel. Co. | 3 $\frac{1}{4}$ | 200,000.00 | 201,978.14 | 1,354.17 |
| So. Bell Tel. & Tel. Co. | 4 | 125,000.00 | 126,702.54 | 1,250.00 |
| So. Bell Tel. & Tel. Co. | 4 $\frac{3}{8}$ | 1,700,000.00 | 1,714,830.17 | 20,416.67 |
| So. Bell Tel. & Tel. Co. | 4 $\frac{5}{8}$ | 250,000.00 | 253,036.96 | 963.54 |
| Southern N. E. Tel. Co. | 3 $\frac{1}{4}$ | 300,000.00 | 302,459.78 | 2,843.75 |
| Southern N. E. Tel. Co. | 4 $\frac{1}{8}$ | 500,000.00 | 510,269.56 | 6,875.00 |
| Southwestern Bell Tel. Co. | 3 $\frac{1}{8}$ | 250,000.00 | 254,185.46 | 1,302.08 |
| Southwestern Bell Tel. Co. | 4 $\frac{1}{2}$ | 600,000.00 | 607,491.54 | 11,250.00 |
| Southwestern Bell Tel. Co. | 4 $\frac{3}{4}$ | 1,050,000.00 | 1,100,981.14 | 12,468.75 |
| Wisconsin Tel. Co. | 4 $\frac{7}{8}$ | 500,000.00 | 506,026.98 | 4,062.50 |
| Total | | 26,020,000.00 | 26,431,254.74 | 316,216.91 |

| NAME | RESIDENCE | DATE | AMOUNT | REMARKS |
|------------------------|-----------|------|----------|-------------------|
| JOHN J. BROWN | NEW YORK | 1900 | 100.00 | PAID TO BROWN |
| JAMES H. SMITH | NEW YORK | 1900 | 50.00 | PAID TO SMITH |
| WILLIAM D. JONES | NEW YORK | 1900 | 75.00 | PAID TO JONES |
| CHARLES E. WHITE | NEW YORK | 1900 | 125.00 | PAID TO WHITE |
| HENRY G. BLACK | NEW YORK | 1900 | 200.00 | PAID TO BLACK |
| EDWARD F. GREEN | NEW YORK | 1900 | 300.00 | PAID TO GREEN |
| FRANK L. HARRIS | NEW YORK | 1900 | 400.00 | PAID TO HARRIS |
| ALICE M. CLARK | NEW YORK | 1900 | 500.00 | PAID TO CLARK |
| JOHN K. ROSS | NEW YORK | 1900 | 600.00 | PAID TO ROSS |
| MARY A. WATSON | NEW YORK | 1900 | 700.00 | PAID TO WATSON |
| THOMAS B. FORD | NEW YORK | 1900 | 800.00 | PAID TO FORD |
| ELIZABETH C. MILLER | NEW YORK | 1900 | 900.00 | PAID TO MILLER |
| GEORGE W. BAKER | NEW YORK | 1900 | 1000.00 | PAID TO BAKER |
| ANNE S. DAVIS | NEW YORK | 1900 | 1100.00 | PAID TO DAVIS |
| JOHN P. HENRY | NEW YORK | 1900 | 1200.00 | PAID TO HENRY |
| MARY J. COLE | NEW YORK | 1900 | 1300.00 | PAID TO COLE |
| WILLIAM R. LEE | NEW YORK | 1900 | 1400.00 | PAID TO LEE |
| CHARLES T. PERKINS | NEW YORK | 1900 | 1500.00 | PAID TO PERKINS |
| EDWARD H. ROBERTS | NEW YORK | 1900 | 1600.00 | PAID TO ROBERTS |
| FRANK J. STEVENSON | NEW YORK | 1900 | 1700.00 | PAID TO STEVENSON |
| ALICE L. TAYLOR | NEW YORK | 1900 | 1800.00 | PAID TO TAYLOR |
| JOHN M. WALKER | NEW YORK | 1900 | 1900.00 | PAID TO WALKER |
| MARY N. YOUNG | NEW YORK | 1900 | 2000.00 | PAID TO YOUNG |
| THOMAS O. ZIMMERMAN | NEW YORK | 1900 | 2100.00 | PAID TO ZIMMERMAN |
| ELIZABETH P. ADAMS | NEW YORK | 1900 | 2200.00 | PAID TO ADAMS |
| GEORGE Q. BROWN | NEW YORK | 1900 | 2300.00 | PAID TO BROWN |
| ANNE R. CLARK | NEW YORK | 1900 | 2400.00 | PAID TO CLARK |
| JOHN S. DAVIS | NEW YORK | 1900 | 2500.00 | PAID TO DAVIS |
| MARY T. FORD | NEW YORK | 1900 | 2600.00 | PAID TO FORD |
| WILLIAM U. GREEN | NEW YORK | 1900 | 2700.00 | PAID TO GREEN |
| CHARLES V. HARRIS | NEW YORK | 1900 | 2800.00 | PAID TO HARRIS |
| EDWARD W. JONES | NEW YORK | 1900 | 2900.00 | PAID TO JONES |
| FRANK X. SMITH | NEW YORK | 1900 | 3000.00 | PAID TO SMITH |
| ALICE Y. WATSON | NEW YORK | 1900 | 3100.00 | PAID TO WATSON |
| JOHN Z. ROSS | NEW YORK | 1900 | 3200.00 | PAID TO ROSS |
| MARY A. COLE | NEW YORK | 1900 | 3300.00 | PAID TO COLE |
| THOMAS B. LEE | NEW YORK | 1900 | 3400.00 | PAID TO LEE |
| ELIZABETH C. PERKINS | NEW YORK | 1900 | 3500.00 | PAID TO PERKINS |
| GEORGE D. ROBERTS | NEW YORK | 1900 | 3600.00 | PAID TO ROBERTS |
| ANNE E. STEVENSON | NEW YORK | 1900 | 3700.00 | PAID TO STEVENSON |
| JOHN F. TAYLOR | NEW YORK | 1900 | 3800.00 | PAID TO TAYLOR |
| MARY G. WALKER | NEW YORK | 1900 | 3900.00 | PAID TO WALKER |
| WILLIAM H. YOUNG | NEW YORK | 1900 | 4000.00 | PAID TO YOUNG |
| CHARLES I. ZIMMERMAN | NEW YORK | 1900 | 4100.00 | PAID TO ZIMMERMAN |
| EDWARD J. ADAMS | NEW YORK | 1900 | 4200.00 | PAID TO ADAMS |
| FRANK K. BROWN | NEW YORK | 1900 | 4300.00 | PAID TO BROWN |
| ALICE L. CLARK | NEW YORK | 1900 | 4400.00 | PAID TO CLARK |
| JOHN M. DAVIS | NEW YORK | 1900 | 4500.00 | PAID TO DAVIS |
| MARY N. FORD | NEW YORK | 1900 | 4600.00 | PAID TO FORD |
| THOMAS O. GREEN | NEW YORK | 1900 | 4700.00 | PAID TO GREEN |
| ELIZABETH P. HARRIS | NEW YORK | 1900 | 4800.00 | PAID TO HARRIS |
| GEORGE Q. JONES | NEW YORK | 1900 | 4900.00 | PAID TO JONES |
| ANNE R. SMITH | NEW YORK | 1900 | 5000.00 | PAID TO SMITH |
| JOHN S. WATSON | NEW YORK | 1900 | 5100.00 | PAID TO WATSON |
| MARY T. ROSS | NEW YORK | 1900 | 5200.00 | PAID TO ROSS |
| WILLIAM U. COLE | NEW YORK | 1900 | 5300.00 | PAID TO COLE |
| CHARLES V. LEE | NEW YORK | 1900 | 5400.00 | PAID TO LEE |
| EDWARD W. PERKINS | NEW YORK | 1900 | 5500.00 | PAID TO PERKINS |
| FRANK X. ROBERTS | NEW YORK | 1900 | 5600.00 | PAID TO ROBERTS |
| ALICE Y. STEVENSON | NEW YORK | 1900 | 5700.00 | PAID TO STEVENSON |
| JOHN Z. TAYLOR | NEW YORK | 1900 | 5800.00 | PAID TO TAYLOR |
| MARY A. WALKER | NEW YORK | 1900 | 5900.00 | PAID TO WALKER |
| THOMAS B. YOUNG | NEW YORK | 1900 | 6000.00 | PAID TO YOUNG |
| ELIZABETH C. ZIMMERMAN | NEW YORK | 1900 | 6100.00 | PAID TO ZIMMERMAN |
| GEORGE D. ADAMS | NEW YORK | 1900 | 6200.00 | PAID TO ADAMS |
| ANNE E. BROWN | NEW YORK | 1900 | 6300.00 | PAID TO BROWN |
| JOHN F. CLARK | NEW YORK | 1900 | 6400.00 | PAID TO CLARK |
| MARY G. DAVIS | NEW YORK | 1900 | 6500.00 | PAID TO DAVIS |
| WILLIAM H. FORD | NEW YORK | 1900 | 6600.00 | PAID TO FORD |
| CHARLES I. GREEN | NEW YORK | 1900 | 6700.00 | PAID TO GREEN |
| EDWARD J. HARRIS | NEW YORK | 1900 | 6800.00 | PAID TO HARRIS |
| FRANK K. JONES | NEW YORK | 1900 | 6900.00 | PAID TO JONES |
| ALICE L. SMITH | NEW YORK | 1900 | 7000.00 | PAID TO SMITH |
| JOHN M. WATSON | NEW YORK | 1900 | 7100.00 | PAID TO WATSON |
| MARY N. ROSS | NEW YORK | 1900 | 7200.00 | PAID TO ROSS |
| THOMAS O. COLE | NEW YORK | 1900 | 7300.00 | PAID TO COLE |
| ELIZABETH P. LEE | NEW YORK | 1900 | 7400.00 | PAID TO LEE |
| GEORGE Q. PERKINS | NEW YORK | 1900 | 7500.00 | PAID TO PERKINS |
| ANNE R. ROBERTS | NEW YORK | 1900 | 7600.00 | PAID TO ROBERTS |
| JOHN S. STEVENSON | NEW YORK | 1900 | 7700.00 | PAID TO STEVENSON |
| MARY T. TAYLOR | NEW YORK | 1900 | 7800.00 | PAID TO TAYLOR |
| WILLIAM U. WALKER | NEW YORK | 1900 | 7900.00 | PAID TO WALKER |
| CHARLES V. YOUNG | NEW YORK | 1900 | 8000.00 | PAID TO YOUNG |
| EDWARD W. ZIMMERMAN | NEW YORK | 1900 | 8100.00 | PAID TO ZIMMERMAN |
| FRANK X. ADAMS | NEW YORK | 1900 | 8200.00 | PAID TO ADAMS |
| ALICE Y. BROWN | NEW YORK | 1900 | 8300.00 | PAID TO BROWN |
| JOHN Z. CLARK | NEW YORK | 1900 | 8400.00 | PAID TO CLARK |
| MARY A. DAVIS | NEW YORK | 1900 | 8500.00 | PAID TO DAVIS |
| THOMAS B. FORD | NEW YORK | 1900 | 8600.00 | PAID TO FORD |
| ELIZABETH C. GREEN | NEW YORK | 1900 | 8700.00 | PAID TO GREEN |
| GEORGE D. HARRIS | NEW YORK | 1900 | 8800.00 | PAID TO HARRIS |
| ANNE E. JONES | NEW YORK | 1900 | 8900.00 | PAID TO JONES |
| JOHN F. SMITH | NEW YORK | 1900 | 9000.00 | PAID TO SMITH |
| MARY G. WATSON | NEW YORK | 1900 | 9100.00 | PAID TO WATSON |
| WILLIAM H. ROSS | NEW YORK | 1900 | 9200.00 | PAID TO ROSS |
| CHARLES I. COLE | NEW YORK | 1900 | 9300.00 | PAID TO COLE |
| EDWARD J. LEE | NEW YORK | 1900 | 9400.00 | PAID TO LEE |
| FRANK K. PERKINS | NEW YORK | 1900 | 9500.00 | PAID TO PERKINS |
| ALICE L. ROBERTS | NEW YORK | 1900 | 9600.00 | PAID TO ROBERTS |
| JOHN M. STEVENSON | NEW YORK | 1900 | 9700.00 | PAID TO STEVENSON |
| MARY N. TAYLOR | NEW YORK | 1900 | 9800.00 | PAID TO TAYLOR |
| THOMAS O. WALKER | NEW YORK | 1900 | 9900.00 | PAID TO WALKER |
| ELIZABETH P. YOUNG | NEW YORK | 1900 | 10000.00 | PAID TO YOUNG |

Schedule "F"

| Description | Rate
(Per
Cent) | Par Value | Amortized Value
December 31, 1963 | Accrued Interest
December 31, 1963 |
|--|-----------------------|------------|--------------------------------------|---------------------------------------|
| Alabama Power Co. | 3 $\frac{1}{4}$ | 200,000.00 | 202,685.76 | 2,166.67 |
| Alabama Power Co. | 3 $\frac{3}{8}$ | 100,000.00 | 101,972.41 | 843.75 |
| Alabama Power Co. | 3 $\frac{1}{2}$ | 200,000.00 | 204,480.93 | 1,895.83 |
| Alabama Power Co. | 4 $\frac{1}{8}$ | 78,000.00 | 79,298.79 | 536.25 |
| Atlantic City Electric Co. | 4 $\frac{3}{8}$ | 250,000.00 | 250,000.00 | 3,645.83 |
| Atlantic City Electric Co. | 4 $\frac{1}{2}$ | 300,000.00 | 304,312.49 | 6,750.00 |
| Baltimore Gas & Electric Co. | 3 $\frac{1}{4}$ | 200,000.00 | 201,284.21 | 541.67 |
| Baltimore Gas & Electric Co. | 4 | 500,000.00 | 505,153.93 | 6,666.67 |
| Baltimore Gas & Electric Co. | 4 $\frac{3}{8}$ | 500,000.00 | 506,123.03 | 10,026.40 |
| Boston Edison Co. | 2 $\frac{3}{4}$ | 200,000.00 | 203,341.35 | 1,375.00 |
| Boston Edison Co. | 3 | 200,000.00 | 201,845.02 | 2,500.00 |
| Boston Edison Co. | 3 $\frac{1}{8}$ | 150,000.00 | 150,524.97 | 2,343.75 |
| Boston Edison Co. | 4 $\frac{5}{8}$ | 500,000.00 | 506,805.65 | 1,927.08 |
| Brockton Edison Co. | 4 $\frac{1}{2}$ | 200,000.00 | 200,000.00 | 2,250.00 |
| Carolina Power & Light Co. | 4 $\frac{1}{2}$ | 500,000.00 | 497,616.13 | 1,875.00 |
| Carolina Power & Light Co. | 4 $\frac{7}{8}$ | 500,000.00 | 501,815.15 | 6,093.75 |
| Central Illinois Lighting Co. | 4 $\frac{1}{4}$ | 500,000.00 | 500,000.00 | 7,083.33 |
| Central Illinois Lighting Co. | 4 $\frac{7}{8}$ | 300,000.00 | 298,916.08 | 4,875.00 |
| Central Illinois Public
Service Co. | 4 $\frac{1}{2}$ | 700,000.00 | 717,269.38 | 5,250.00 |
| Central Illinois Public
Service Co. | 4 $\frac{3}{4}$ | 500,000.00 | 507,345.25 | 11,875.00 |
| Central Maine Power Co. | 3 $\frac{1}{8}$ | 246,000.00 | 248,143.67 | 640.63 |
| Central Maine Power Co. | 3 $\frac{5}{8}$ | 100,000.00 | 100,755.52 | 1,208.33 |
| Central Power & Light Co. | 4 $\frac{3}{4}$ | 500,000.00 | 511,092.74 | 5,937.50 |

Securities (Bonds and Notes)

- 2 - Schedule "F"

| Description | Rate
(Per
Cent) | Par Value | Amortized Value
December 31, 1963 | Accrued Interest
December 31, 1963 |
|---|-----------------------|------------|--------------------------------------|---------------------------------------|
| Central Power & Light Co.
of Southern Texas | 3 $\frac{1}{4}$ | 100,000.00 | 100,785.18 | 1,354.17 |
| Cleveland Electric Illuminating Co. | 2 $\frac{3}{4}$ | 200,000.00 | 193,163.61 | 1,833.34 |
| Cleveland Electric Illuminating Co. | 3 | 250,000.00 | 252,358.44 | 1,250.00 |
| Cleveland Electric Illuminating Co. | 3 $\frac{3}{8}$ | 100,000.00 | 101,820.63 | 281.25 |
| Cleveland Electric Illuminating Co. | 3 $\frac{7}{8}$ | 400,000.00 | 407,267.48 | 5,166.67 |
| Columbus & Southern Ohio Electric Co. | 3 $\frac{3}{4}$ | 200,000.00 | 204,555.21 | 1,875.00 |
| Commonwealth Edison Co. | 3 | 200,000.00 | 200,593.78 | 1,000.00 |
| Commonwealth Edison Co. | 3 $\frac{3}{4}$ | 500,000.00 | 503,947.98 | 6,250.00 |
| Commonwealth Edison Co. | 4 $\frac{1}{4}$ | 200,000.00 | 200,000.00 | 2,833.33 |
| Conn. Light & Power Co. | 2 $\frac{3}{4}$ | 100,000.00 | 94,298.78 | 458.33 |
| Conn. Light & Power Co. | 3 | 100,000.00 | 100,901.91 | 750.00 |
| Conn. Light & Power Co. | 3 $\frac{1}{4}$ | 250,000.00 | 248,976.47 | 677.08 |
| Consolidated Edison Co. | 4 $\frac{3}{8}$ | 600,000.00 | 605,915.14 | 2,187.50 |
| Consolidated Edison Co. | 4 $\frac{3}{4}$ | 500,000.00 | 500,625.00 | 1,979.17 |
| Consolidated Edison Co. of N.Y. | 2 $\frac{3}{4}$ | 300,000.00 | 291,401.57 | 2,062.50 |
| Consolidated Edison Co. of N.Y. | 3 $\frac{1}{4}$ | 200,000.00 | 203,991.47 | 1,083.33 |
| Consolidated Edison Co. of N.Y. | 3 $\frac{3}{8}$ | 650,000.00 | 660,964.12 | 7,734.37 |
| Consolidated Edison Co. of N.Y. | 3 $\frac{1}{2}$ | 150,000.00 | 152,514.93 | 2,187.50 |
| Consolidated Edison Co. of N.Y. | 4 | 500,000.00 | 511,786.94 | 1,666.67 |
| Consolidated Edison Co. of N.Y. | 4 $\frac{3}{8}$ | 500,000.00 | 509,410.90 | 1,822.92 |
| Consolidated Edison Co. of N.Y. | 4 $\frac{5}{8}$ | 500,000.00 | 506,649.74 | 3,854.17 |
| Consolidated Gas, Electric Light, &
Power Co. of Baltimore MD. | 2 $\frac{3}{4}$ | 250,000.00 | 247,955.65 | 3,151.04 |
| Consolidated Gas, Electric Light, &
Power Co. of Baltimore MD. | 3 | 300,000.00 | 301,607.48 | 4,125.00 |

Securities (Bonds and Notes)

- 3 - Schedule "F"

| Description | Rate
(Per
Cent) | Par Value | Amortized Value
December 31, 1963 | Accrued Interest
December 31, 1963 |
|-------------------------------|-----------------------|------------|--------------------------------------|---------------------------------------|
| Consumers Power Co. | 2 7/8 | 300,000.00 | 300,386.69 | 2,875.00 |
| Consumers Power Co. | 4 | 700,000.00 | 709,986.27 | 11,666.67 |
| Consumers Power Co. | 4 1/2 | 250,000.00 | 259,109.33 | 2,812.50 |
| Consumers Power Co. | 4 5/8 | 500,000.00 | 501,921.06 | 9,635.42 |
| Dallas Power & Light Co. | 3 1/2 | 200,000.00 | 203,358.68 | 2,333.34 |
| Dallas Power & Light Co. | 4 1/4 | 200,000.00 | 201,454.28 | 708.33 |
| Dayton Power & Light Co. | 2 3/4 | 100,000.00 | 101,428.18 | 687.50 |
| Dayton Power & Light Co. | 3 | 250,000.00 | 250,488.60 | 2,500.00 |
| Delaware Power & Light Co. | 3 7/8 | 250,000.00 | 250,975.83 | 807.29 |
| Detroit Edison Co. | 2 3/4 | 100,000.00 | 101,609.25 | 916.67 |
| Detroit Edison Co. | 2 7/8 | 250,000.00 | 248,562.99 | 2,096.35 |
| Detroit Edison Co. | 3 1/4 | 200,000.00 | 200,000.00 | 812.50 |
| Detroit Edison Co. | 3 3/8 | 200,000.00 | 202,185.95 | 843.75 |
| Duquesne Light Co. | 2 3/4 | 300,000.00 | 292,280.68 | 3,437.49 |
| Duquesne Light Co. | 3 1/8 | 250,000.00 | 251,058.54 | 3,906.25 |
| Duquesne Light Co. | 3 5/8 | 100,000.00 | 101,476.65 | 1,208.33 |
| Duquesne Light Co. | 3 3/4 | 400,000.00 | 400,620.28 | 3,750.00 |
| El Paso Electric Co. | 4 1/4 | 300,000.00 | 306,915.00 | 6,375.00 |
| El Paso Electric Co. | 4 5/8 | 500,000.00 | 505,893.12 | 9,635.42 |
| Fall River Electric Light Co. | 4 3/8 | 175,000.00 | 178,278.26 | 1,914.06 |
| Florida Power Corp. | 4 1/4 | 500,000.00 | 500,625.00 | 3,541.66 |
| Florida Power & Light Co. | 4 3/8 | 400,000.00 | 407,856.02 | 1,458.33 |
| Georgia Power Co. | 2 7/8 | 100,000.00 | 101,766.49 | 718.75 |

Securities (Bonds and Notes)

- 4 - Schedule "F"

| Description | Rate
(Per
Cent) | Par Value | Amortized Value
December 31, 1963 | Accrued Interest
December 31, 1963 |
|---------------------------------|-----------------------|--------------|--------------------------------------|---------------------------------------|
| Gulf State Utilities Co. | 4 3/4 | 500,000.00 | 511,074.10 | 11,875.00 |
| Gulf State Utilities Co. | 4 7/8 | 200,000.00 | 201,639.79 | 4,875.00 |
| Hartford Electric Light Co. | 4 1/4 | 500,000.00 | 496,660.69 | 5,312.50 |
| Houston Lighting & Power Co. | 3 1/4 | 100,000.00 | 100,945.91 | 1,083.33 |
| Idaho Power Co. | 4 1/2 | 300,000.00 | 300,000.00 | 2,812.50 |
| Illinois Power Co. | 4 | 1,000,000.00 | 1,023,505.75 | 6,666.67 |
| Illinois Power Co. | 4 1/4 | 500,000.00 | 504,169.19 | 10,625.00 |
| Indiana & Michigan Electric Co. | 3 1/4 | 100,000.00 | 102,362.93 | 1,625.00 |
| Indiana & Michigan Electric Co. | 4 3/8 | 500,000.00 | 497,110.81 | 9,114.58 |
| Kansas City Power & Light Co. | 2 3/4 | 100,000.00 | 99,515.62 | 229.17 |
| Kansas City Power & Light Co. | 3 1/4 | 100,000.00 | 102,003.54 | 1,218.75 |
| Long Island Lighting Co. | 3 3/8 | 200,000.00 | 202,315.90 | 1,125.00 |
| Madison Gas & Electric Co. | 4 5/8 | 295,000.00 | 297,378.77 | 3,410.94 |
| Mass. Electric Co. | 3 3/8 | 100,000.00 | 101,934.07 | 843.75 |
| Mass. Electric Co. | 4 3/8 | 150,000.00 | 152,783.42 | 2,187.50 |
| Metropolitan Edison Co. | 3 1/8 | 100,000.00 | 101,366.52 | 781.25 |
| Metropolitan Edison Co. | 4 3/8 | 700,000.00 | 713,294.35 | 2,552.08 |
| Monongahela Power Co., W. Va. | 3 5/8 | 100,000.00 | 101,778.89 | 302.08 |
| Montana Power Co. | 2 7/8 | 250,000.00 | 245,994.07 | 1,796.87 |
| Montana Power Co. | 3 1/8 | 100,000.00 | 102,044.50 | 520.83 |
| Narragansett Electric Co. | 3 1/2 | 400,000.00 | 406,822.89 | 4,666.66 |
| N. E. Power Co. | 2 7/8 | 100,000.00 | 101,423.38 | 1,197.92 |
| N. E. Power Co. | 3 | 500,000.00 | 502,932.05 | 7,500.00 |

Securities (Bonds and Notes)

- 5 - Schedule "F"

| Description | Rate
(Per
Cent) | Par Value | Amortized Value
December 31, 1963 | Accrued Interest
December 31, 1963 |
|--------------------------------|-----------------------|--------------|--------------------------------------|---------------------------------------|
| N. Y. Power & Light Co. | 2 3/4 | 200,000.00 | 197,706.86 | 1,833.34 |
| N. Y. State Electric & Gas Co. | 3 1/4 | 100,000.00 | 101,867.01 | 541.67 |
| N. Y. State Electric & Gas Co. | 3 3/8 | 225,000.00 | 229,341.14 | 2,531.25 |
| N. Y. State Electric & Gas Co. | 4 5/8 | 300,000.00 | 305,845.41 | 2,312.50 |
| Niagara, Mohawk Power Corp. | 2 3/4 | 200,000.00 | 202,282.56 | 2,750.00 |
| Niagara, Mohawk Power Corp. | 3 1/4 | 200,000.00 | 200,945.33 | 1,625.00 |
| Niagara, Mohawk Power Corp. | 3 3/8 | 200,000.00 | 202,555.15 | 562.50 |
| Niagara, Mohawk Power Corp. | 3 1/2 | 150,000.00 | 151,959.60 | 2,187.50 |
| Niagara, Mohawk Power Corp. | 3 5/8 | 150,000.00 | 151,718.06 | 906.25 |
| Niagara, Mohawk Power Corp. | 3 7/8 | 300,000.00 | 303,550.18 | 968.75 |
| Northern States Power Co. | 4 | 500,000.00 | 500,000.00 | 10,000.00 |
| Northern States Power Co. | 4 1/4 | 200,000.00 | 202,321.54 | 2,833.33 |
| Northern States Power Co. | 4 3/8 | 500,000.00 | 507,756.22 | 1,822.92 |
| Northern States Power Co. | 4 7/8 | 300,000.00 | 301,120.63 | 6,093.75 |
| Ohio Edison Co. | 4 1/2 | 500,000.00 | 505,257.55 | 5,625.00 |
| Ohio Power Co. | 4 5/8 | 400,000.00 | 409,302.57 | 4,625.00 |
| Oklahoma Gas & Electric Co. | 3 7/8 | 500,000.00 | 504,447.35 | 1,614.58 |
| Pacific Gas & Electric Co. | 2 7/8 | 400,000.00 | 394,461.32 | 958.33 |
| Pacific Gas & Electric Co. | 3 | 125,000.00 | 128,770.72 | 312.50 |
| Pacific Gas & Electric Co. | 3 1/8 | 350,000.00 | 352,705.16 | 911.45 |
| Pacific Gas & Electric Co. | 3 3/8 | 300,000.00 | 306,444.42 | 843.75 |
| Pacific Gas & Electric Co. | 3 3/4 | 100,000.00 | 101,147.95 | 312.50 |
| Pacific Gas & Electric Co. | 4 1/4 | 1,000,000.00 | 1,001,720.44 | 3,541.66 |

| Year | Value | Year | Value | Year | Value |
|------|--------|------|--------|------|--------|
| 1900 | 100.00 | 1901 | 105.00 | 1902 | 110.00 |
| 1903 | 115.00 | 1904 | 120.00 | 1905 | 125.00 |
| 1906 | 130.00 | 1907 | 135.00 | 1908 | 140.00 |
| 1909 | 145.00 | 1910 | 150.00 | 1911 | 155.00 |
| 1912 | 160.00 | 1913 | 165.00 | 1914 | 170.00 |
| 1915 | 175.00 | 1916 | 180.00 | 1917 | 185.00 |
| 1918 | 190.00 | 1919 | 195.00 | 1920 | 200.00 |
| 1921 | 205.00 | 1922 | 210.00 | 1923 | 215.00 |
| 1924 | 220.00 | 1925 | 225.00 | 1926 | 230.00 |
| 1927 | 235.00 | 1928 | 240.00 | 1929 | 245.00 |
| 1930 | 250.00 | 1931 | 255.00 | 1932 | 260.00 |
| 1933 | 265.00 | 1934 | 270.00 | 1935 | 275.00 |
| 1936 | 280.00 | 1937 | 285.00 | 1938 | 290.00 |
| 1939 | 295.00 | 1940 | 300.00 | 1941 | 305.00 |
| 1942 | 310.00 | 1943 | 315.00 | 1944 | 320.00 |
| 1945 | 325.00 | 1946 | 330.00 | 1947 | 335.00 |
| 1948 | 340.00 | 1949 | 345.00 | 1950 | 350.00 |
| 1951 | 355.00 | 1952 | 360.00 | 1953 | 365.00 |
| 1954 | 370.00 | 1955 | 375.00 | 1956 | 380.00 |
| 1957 | 385.00 | 1958 | 390.00 | 1959 | 395.00 |
| 1960 | 400.00 | 1961 | 405.00 | 1962 | 410.00 |
| 1963 | 415.00 | 1964 | 420.00 | 1965 | 425.00 |
| 1966 | 430.00 | 1967 | 435.00 | 1968 | 440.00 |
| 1969 | 445.00 | 1970 | 450.00 | 1971 | 455.00 |
| 1972 | 460.00 | 1973 | 465.00 | 1974 | 470.00 |
| 1975 | 475.00 | 1976 | 480.00 | 1977 | 485.00 |
| 1978 | 490.00 | 1979 | 495.00 | 1980 | 500.00 |
| 1981 | 505.00 | 1982 | 510.00 | 1983 | 515.00 |
| 1984 | 520.00 | 1985 | 525.00 | 1986 | 530.00 |
| 1987 | 535.00 | 1988 | 540.00 | 1989 | 545.00 |
| 1990 | 550.00 | 1991 | 555.00 | 1992 | 560.00 |
| 1993 | 565.00 | 1994 | 570.00 | 1995 | 575.00 |
| 1996 | 580.00 | 1997 | 585.00 | 1998 | 590.00 |
| 1999 | 595.00 | 2000 | 600.00 | 2001 | 605.00 |
| 2002 | 610.00 | 2003 | 615.00 | 2004 | 620.00 |
| 2005 | 625.00 | 2006 | 630.00 | 2007 | 635.00 |
| 2008 | 640.00 | 2009 | 645.00 | 2010 | 650.00 |
| 2011 | 655.00 | 2012 | 660.00 | 2013 | 665.00 |
| 2014 | 670.00 | 2015 | 675.00 | 2016 | 680.00 |
| 2017 | 685.00 | 2018 | 690.00 | 2019 | 695.00 |
| 2020 | 700.00 | 2021 | 705.00 | 2022 | 710.00 |
| 2023 | 715.00 | 2024 | 720.00 | 2025 | 725.00 |

Securities (Bonds and Notes)

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- 6 - Schedule "F"

| Description | Rate
(Per
Cent) | Par Value | Amortized Value
December 31, 1963 | Accrued Interest
December 31, 1963 |
|-----------------------------------|-----------------------|--------------|--------------------------------------|---------------------------------------|
| Pacific Gas & Electric Co. | 4 3/8 | 200,000.00 | 200,000.00 | 729.17 |
| Pacific Gas & Electric Co. | 4 1/2 | 1,112,000.00 | 1,120,574.73 | 4,170.00 |
| Pacific Power & Light Co. | 4 3/8 | 100,000.00 | 100,000.00 | 729.17 |
| Penn. Electric Co. | 3 1/8 | 200,000.00 | 202,544.60 | 2,083.33 |
| Penn. Electric Co. | 3 3/8 | 200,000.00 | 202,283.35 | 1,687.50 |
| Penn. Electric Co. | 3 7/8 | 150,000.00 | 153,277.10 | 968.75 |
| Penn. Electric Co. | 4 1/8 | 100,000.00 | 101,672.41 | 343.75 |
| Penn. Power Co. | 2 7/8 | 100,000.00 | 96,337.27 | 479.17 |
| Philadelphia Electric Co. | 2 3/4 | 100,000.00 | 99,396.38 | 458.33 |
| Philadelphia Electric Co. | 2 7/8 | 350,000.00 | 348,746.99 | 4,192.71 |
| Philadelphia Electric Co. | 3 1/8 | 300,000.00 | 298,889.95 | 781.25 |
| Philadelphia Electric Co. | 3 1/4 | 50,000.00 | 50,340.07 | 812.50 |
| Philadelphia Electric Co. | 3 3/4 | 500,000.00 | 498,873.89 | 3,125.00 |
| Philadelphia Electric Co. | 4 3/8 | 500,000.00 | 500,000.00 | 1,822.92 |
| Potomac Electric Power Co. | 2 3/4 | 300,000.00 | 302,411.77 | 1,375.00 |
| Potomac Electric Power Co. | 3 3/8 | 150,000.00 | 153,303.77 | 421.87 |
| Potomac Electric Power Co. | 4 3/8 | 500,000.00 | 508,015.70 | 4,101.56 |
| Potomac Electric Power Co. | 4 5/8 | 400,000.00 | 414,877.57 | 1,541.66 |
| Public Service Electric & Gas Co. | 4 3/8 | 1,500,000.00 | 1,509,835.43 | 12,760.42 |
| Public Service Electric & Gas Co. | 4 3/4 | 500,000.00 | 506,800.14 | 7,916.67 |
| Public Service Co. of Indiana | 3 3/8 | 150,000.00 | 152,591.63 | 2,531.25 |
| Public Service Co. of Indiana | 4 3/8 | 500,000.00 | 501,877.68 | 9,114.58 |
| Public Service Co. of N. H. | 3 1/4 | 125,000.00 | 127,704.87 | 677.08 |

Securities (Bonds and Notes)

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- 7 - Schedule "F"

| Description | Rate
(Per
Cent) | Par Value | Amortized Value
December 31, 1963 | Accrued Interest
December 31, 1963 |
|---|-----------------------|--------------|--------------------------------------|---------------------------------------|
| Public Service
Electric & Gas Co. of N. J. | 3 $\frac{1}{4}$ | 600,000.00 | 606,432.06 | 4,604.17 |
| Public Service
Electric & Gas Co. of N. J. | 4 $\frac{5}{8}$ | 500,000.00 | 509,215.41 | 9,635.42 |
| So. Calif. Edison Co. | 2 $\frac{7}{8}$ | 250,000.00 | 247,573.42 | 2,695.31 |
| So. Calif. Edison Co. | 3 | 150,000.00 | 150,557.59 | 1,687.50 |
| So. Calif. Edison Co. | 3 $\frac{1}{8}$ | 350,000.00 | 353,489.24 | 4,752.60 |
| So. Calif. Edison Co. | 3 $\frac{5}{8}$ | 300,000.00 | 299,297.23 | 3,473.96 |
| So. Calif. Edison Co. | 4 $\frac{1}{4}$ | 200,000.00 | 200,500.00 | 1,416.67 |
| So. Calif. Edison Co. | 4 $\frac{3}{8}$ | 1,000,000.00 | 1,003,350.74 | 10,026.49 |
| So. Calif. Edison Co. | 4 $\frac{1}{2}$ | 300,000.00 | 303,359.93 | 3,375.00 |
| Tampa Electric Co. | 4 $\frac{1}{4}$ | 500,000.00 | 511,525.00 | 10,625.00 |
| Tampa Electric Co. | 4 $\frac{1}{2}$ | 500,000.00 | 508,997.78 | 3,750.00 |
| Texas Electric Service | 4 $\frac{3}{8}$ | 500,000.00 | 504,518.77 | 5,468.75 |
| Texas Power & Light Co. | 4 $\frac{3}{8}$ | 500,000.00 | 512,056.16 | 9,114.58 |
| Texas Power & Light Co. | 4 $\frac{1}{2}$ | 300,000.00 | 302,728.73 | 1,125.00 |
| Union Electric Co. | 4 $\frac{1}{2}$ | 400,000.00 | 401,949.15 | 3,000.00 |
| Union Electric Co. | 4 $\frac{3}{4}$ | 500,000.00 | 507,715.15 | 11,875.00 |
| Utah Power & Light Co. | 3 $\frac{5}{8}$ | 100,000.00 | 101,882.79 | 1,208.33 |
| Virginia Electric & Power Co. | 3 $\frac{7}{8}$ | 500,000.00 | 504,333.63 | 1,614.58 |
| Virginia Electric & Power Co. | 4 $\frac{3}{8}$ | 500,000.00 | 502,865.67 | 3,645.83 |
| Virginia Electric & Power Co. | 4 $\frac{1}{2}$ | 500,000.00 | 502,450.12 | 1,875.00 |
| Virginia Electric & Power Co. | 4 $\frac{5}{8}$ | 500,000.00 | 503,427.49 | 7,708.33 |
| W. Penn. Power Co. | 2 $\frac{7}{8}$ | 100,000.00 | 97,642.71 | 958.33 |
| W. Penn. Power Co. | 3 $\frac{1}{4}$ | 100,000.00 | 102,089.93 | 812.50 |

| Quantity | Unit | Value | Price | Description |
|----------|------|---------|-------|-------------|
| 10.000 | lb | 100.00 | 10.00 | Wheat |
| 20.000 | lb | 200.00 | 10.00 | Wheat |
| 30.000 | lb | 300.00 | 10.00 | Wheat |
| 40.000 | lb | 400.00 | 10.00 | Wheat |
| 50.000 | lb | 500.00 | 10.00 | Wheat |
| 60.000 | lb | 600.00 | 10.00 | Wheat |
| 70.000 | lb | 700.00 | 10.00 | Wheat |
| 80.000 | lb | 800.00 | 10.00 | Wheat |
| 90.000 | lb | 900.00 | 10.00 | Wheat |
| 100.000 | lb | 1000.00 | 10.00 | Wheat |
| 110.000 | lb | 1100.00 | 10.00 | Wheat |
| 120.000 | lb | 1200.00 | 10.00 | Wheat |
| 130.000 | lb | 1300.00 | 10.00 | Wheat |
| 140.000 | lb | 1400.00 | 10.00 | Wheat |
| 150.000 | lb | 1500.00 | 10.00 | Wheat |
| 160.000 | lb | 1600.00 | 10.00 | Wheat |
| 170.000 | lb | 1700.00 | 10.00 | Wheat |
| 180.000 | lb | 1800.00 | 10.00 | Wheat |
| 190.000 | lb | 1900.00 | 10.00 | Wheat |
| 200.000 | lb | 2000.00 | 10.00 | Wheat |
| 210.000 | lb | 2100.00 | 10.00 | Wheat |
| 220.000 | lb | 2200.00 | 10.00 | Wheat |
| 230.000 | lb | 2300.00 | 10.00 | Wheat |
| 240.000 | lb | 2400.00 | 10.00 | Wheat |
| 250.000 | lb | 2500.00 | 10.00 | Wheat |
| 260.000 | lb | 2600.00 | 10.00 | Wheat |
| 270.000 | lb | 2700.00 | 10.00 | Wheat |
| 280.000 | lb | 2800.00 | 10.00 | Wheat |
| 290.000 | lb | 2900.00 | 10.00 | Wheat |
| 300.000 | lb | 3000.00 | 10.00 | Wheat |

- 8 - Schedule "F"

| Description | Rate
(Per
Cent) | Par Value | Amortized Value
December 31, 1963 | Accrued Interest
December 31, 1963 |
|-------------------------------|-----------------------|---------------|--------------------------------------|---------------------------------------|
| Penn. Power Co. | 4 $\frac{1}{2}$ | 500,000.00 | 505,578.25 | 7,500.00 |
| Wisconsin Electric Power Co. | 3 $\frac{1}{8}$ | 150,000.00 | 152,833.59 | 781.25 |
| Wisconsin Electric Power Co. | 3 $\frac{7}{8}$ | 250,000.00 | 253,931.63 | 2,018.23 |
| Wisconsin Electric Power Co. | 4 $\frac{1}{8}$ | 500,000.00 | 511,195.52 | 5,156.25 |
| Wisconsin, Michigan Power Co. | 3 $\frac{1}{8}$ | 100,000.00 | 100,590.07 | 651.04 |
| Wisconsin Power & Light Co. | 4 $\frac{5}{8}$ | 492,000.00 | 494,524.21 | 7,585.00 |
| Worcester Gas & Light Co. | 5 $\frac{1}{4}$ | 184,000.00 | 186,911.72 | 805.00 |
| Total | | 54,507,000.00 | 55,006,675.32 | 548,336.06 |

Securities (Bonds and Notes)

Schedule "G"

| Description | Rate
(Per
Cent) | Par Value | Amortized Value
December 31, 1963 | Accrued Interest
December 31, 1963 |
|---------------------------|-----------------------|--------------|--------------------------------------|---------------------------------------|
| Aluminum Co. of America | 4 $\frac{1}{4}$ | 400,000.00 | 396,652.61 | 8,500.00 |
| Arden Co. | 4 $\frac{3}{8}$ | 200,000.00 | 197,608.49 | 729.17 |
| General Motors | 3 $\frac{1}{4}$ | 200,000.00 | 202,072.75 | 3,250.00 |
| Minneapolis Honeywell Co. | 4 $\frac{1}{4}$ | 700,000.00 | 698,394.32 | 12,395.83 |
| National Dairy Products | 4 $\frac{3}{8}$ | 100,000.00 | 101,707.82 | 1,276.04 |
| Proctor & Gamble | 3 $\frac{7}{8}$ | 500,000.00 | 482,160.98 | 6,458.33 |
| Wears Roebuck & Co. | 4 $\frac{3}{4}$ | 850,000.00 | 876,815.34 | 21,770.83 |
| A. S. Steel Corp. | 4 | 500,000.00 | 502,160.63 | 9,166.67 |
| A. S. Steel Corp. | 4 $\frac{1}{2}$ | 440,000.00 | 447,114.62 | 4,125.00 |
| Total | | 3,890,000.00 | 3,904,687.56 | 67,671.87 |

Securities (Bonds and Notes)

Schedule "H"

| Description | Rate
(Per
Cent) | Par Value | Amortized Value
December 31, 1963 | Accrued Interest
December 31, 1963 |
|-----------------------------|-----------------------|--------------|--------------------------------------|---------------------------------------|
| Marathon Oil Co. | 4 3/8 | 800,000.00 | 819,411.41 | 8,750.00 |
| Shell Oil Co. | 4 5/8 | 500,000.00 | 511,354.97 | 9,635.42 |
| Saony Mobil Oil Co. | 4 1/4 | 600,000.00 | 601,739.39 | 6,375.00 |
| Standard Oil Co. of Calif. | 4 3/8 | 800,000.00 | 800,588.67 | 17,500.00 |
| Standard Oil Co. of Indiana | 4 1/2 | 800,000.00 | 809,555.05 | 9,000.00 |
| Standard Oil Co. of N. J. | 2 3/4 | 100,000.00 | 101,411.95 | 1,260.42 |
| Sumray D. X. Oil Co. | 4 1/4 | 750,000.00 | 741,640.43 | 5,332.50 |
| Total | | 4,350,000.00 | 4,385,701.87 | 57,853.34 |

Table 1

| Sample Name | Sample Number | Sample Weight (g) | Sample Volume (ml) | Sample Density (g/ml) |
|-------------|---------------|-------------------|--------------------|-----------------------|
| Sample 1 | 1001 | 10.00 | 10.00 | 1.00 |
| Sample 2 | 1002 | 10.00 | 10.00 | 1.00 |
| Sample 3 | 1003 | 10.00 | 10.00 | 1.00 |
| Sample 4 | 1004 | 10.00 | 10.00 | 1.00 |
| Sample 5 | 1005 | 10.00 | 10.00 | 1.00 |
| Sample 6 | 1006 | 10.00 | 10.00 | 1.00 |
| Sample 7 | 1007 | 10.00 | 10.00 | 1.00 |
| Sample 8 | 1008 | 10.00 | 10.00 | 1.00 |
| Sample 9 | 1009 | 10.00 | 10.00 | 1.00 |
| Sample 10 | 1010 | 10.00 | 10.00 | 1.00 |

Securities (Bonds and Notes)

Schedule "I"

| Description | Rate
(Per
Cent) | Par Value | Amortized Value
December 31, 1963 | Accrued Interest
December 31, 1963 |
|--------------------------|-----------------------|-----------|--------------------------------------|---------------------------------------|
| Mass. Turnpike Authority | 3.30 | 50,000.00 | 50,000.00 | 275.00 |
| Total | | 50,000.00 | 50,000.00 | 275.00 |

Securities (Bonds and Notes)

Schedule "J"

| Description | Rate
(Per
Cent) | Par Value | Amortized Value
December 31, 1963 | Accrued Interest
December 31, 1963 |
|--|-----------------------|----------------|--------------------------------------|---------------------------------------|
| Banker's Trust Co. | 4 $\frac{1}{2}$ | 800,000.00 | 800,000.00 | 1,500.00 |
| International Bank for
Reconstruction & Development | 4 $\frac{1}{4}$ | 100,000.00 | 98,444.11 | 708.33 |
| International Bank for
Reconstruction & Development | 4 $\frac{1}{2}$ | 100,000.00 | 100,000.00 | 1,875.00 |
| Total | | 1,000,000.00 | 998,444.11 | 4,083.33 |
| GRAND TOTAL | | 155,308,900.00 | 156,533,275.62 | 1,447,010.86 |
| Deposits 100,000.00
UNION SAVINGS BANK | | 100,000.00 | 100,000.00 | |

Schedule K - Military Service

Securities (Bonds and Notes)

| Description | Rate
(Per
Cent) | Par Value | Amortized Value
December 31, 1963 | Accrued Interest
December 31, 1963 |
|------------------------------|-----------------------|------------|--------------------------------------|---------------------------------------|
| U. S. Treasury Bonds | 2 3/4 | 271,000.00 | 273,451.13 | 1,863.13 |
| U. S. Treasury Bonds | 3 1/4 | 55,000.00 | 54,430.20 | 74.48 |
| U. S. Treasury Bonds of 1967 | 3 5/8 | 50,000.00 | 50,000.00 | 226.56 |
| U. S. Treasury Bonds of 1966 | 3 3/8 | 14,000.00 | 14,000.00 | 59.06 |
| U. S. Treasury Bonds of 1980 | 3 1/2 | 15,000.00 | 15,483.70 | 73.12 |
| U. S. Treasury Bills | 2.92 | 97,485.55 | 97,485.55 | 2,410.55 |
| U. S. Treasury Bills | 3.04 | 33,924.19 | 33,924.19 | 1,031.60 |
| U. S. Treasury Bills | 3.44 | 48,332.56 | 48,332.56 | 767.11 |
| Total | | 584,742.30 | 587,107.33 | 6,505.61 |

STATEMENT FOR THE YEAR ENDING DECEMBER 31, 1963, MADE TO THE

COMMISSIONER OF INSURANCE BY THE SECRETARY OF THE

TEACHERS' RETIREMENT BOARD

ANNUITY SAVINGS FUND, ANNUITY RESERVE FUND and SECTION 12B FUND

Income

Annuity Savings Fund:

| | |
|---|-----------------|
| Members deposits and personal payments | \$13,522,345.90 |
| Members deposits transferred from Other Retirement Systems in the Commonwealth | 136,692.86 |
| Interest on investments (less \$113,186.74 accrued interest on purchases and \$12,624.50 interest receipts adjusted by Treasurer) | 5,209,623.73 |
| Amount in excess of amortized value received on investments called and exchanged | 78,304.24 |
| From Pension Fund-- | |
| Workmen's Compensation deductions | 890.75 |
| Reinstatement - Unclaimed inactive members accounts | 1,417.38 |

Annuity Reserve Fund:

| | |
|---|------------|
| From Military Service Credit Fund-- | |
| Accumulated Military Service Credit deposits of members - retired regular 1963 | 6,493.21 |
| Accumulated Military Service Credit deposits of members - member-survivor benefits 1963 | 2,850.05 |
| From Pension Fund-- | |
| Deficit Annuity Reserve Fund 12/31/62 | 351,524.70 |

Section 12B Fund:

| | |
|--|--------|
| From Military Service Credit Fund-- | |
| Accumulated Military Service Credit deposits of members - 12B survivor benefits 1963 | 454.96 |

Total Income

\$19,310,597.78

C A R R I E D F O R W A R D

ANNUITY SAVINGS FUND, ANNUITY RESERVE FUND and SECTION 12B FUND

B R O U G H T F O R W A R D -- Total Income

\$19,310,597.78

Disbursements

Annuity Savings Fund:

| | |
|---|----------------|
| Refunds to members - resignation | \$2,085,076.58 |
| Refunds to benef. & estates - death | 310,496.24 |
| Transfers of members accounts to Other Retirement Systems in the Commonwealth | 176,380.96 |
| To Pension Fund-- | |
| Gain on investments sold and exchanged | 78,304.24 |
| Interest earned in 1962 in excess of interest credited 1962 | 574,657.00 |
| Excess interest credited to members accounts refunded | 4,514.21 |
| Unclaimed inactive members accounts | 10,695.77 |
| Investment expense | 385.72 |
| Decrease in amortization | 8,417.90 |

Annuity Reserve Fund:

| | |
|---|--------------|
| Annuity payments - Retired and member survivors a/c Option (c) and Option d | 3,583,022.24 |
| Cash Refund Annuities to estates and Beneficiaries of retired members | 263,514.18 |

Section 12B Fund:

| | |
|--|------------------|
| To Pension Fund-- | |
| Payments to survivors chargeable to accumulated deposits - Section 12B | <u>10,223.71</u> |

Total Disbursements

7,105,688.75

Income in excess of disbursements

\$12,204,909.03

Assets

| | |
|-------------------------------------|---------------------|
| Investments, par value (Schedule A) | |
| Amortized Value | \$156,533,275.62 |
| Savings Bank Deposits | 100,000.00 |
| Cash | 2,259,042.24 |
| Accrued Interest on investments | <u>1,447,010.86</u> |
| Gross Assets | \$160,339,328.72 |

Liabilities

| | | |
|---|----------------------|-------------------|
| Deductions and personal payments of members-active | \$94,182,095.60 | |
| Interest credited | <u>24,931,874.42</u> | |
| Accumulated deductions of members - active | | 119,113,970.02 |
| Deductions and personal payments of members-inactive | 2,601,478.97 | |
| Interest credited | <u>428,317.30</u> | |
| Accumulated deductions of members - inactive | | 3,029,796.27 |
| Deductions and personal payments of members-deceased | 8,803.06 | |
| Interest credited | <u>3,413.73</u> | |
| Accumulated deductions of members - deceased - unpaid | | 12,216.79 |
| Reserve for payments of survivor benefits | | |
| a/c Section 12B | | 140,825.36 |
| Reserve for payments due beneficiaries and estates | | |
| of deceased retired members and deceased | | |
| survivor benef. | | 64,510.80 |
| Reserve for retired members, beneficiaries, and | | |
| survivors living | | 37,590,654.00 |
| Due Commonwealth as provided by Section 22 of | | |
| Chapter 32 of the General Laws | | <u>387,355.48</u> |
| Total Liabilities | | \$160,339,328.72 |

Membership

| | | |
|---|-----------|---------------|
| Active membership December 31, 1963 | | 42,385 |
| Inactive membership December 31, 1963: | | |
| Resigned or terminated - Unpaid | 3,651 | |
| Deaths - Unpaid | 5 | |
| Retired - living | 6,909 | |
| Benef. of retired teachers receiving under Op.(c) | 106 | |
| Member-survivor benef. receiving under | | |
| Section 12(2) (Option (d)) | 356 | |
| Survivors receiving benefits under Section 12B | <u>47</u> | <u>11,074</u> |
| Total Membership December 31, 1963 | | 53,459 |

I hereby certify that the above statement is a complete and correct exhibit of the financial condition of the Teachers' Retirement System of the Commonwealth of Massachusetts on the thirty-first day of December, 1963.

A true statement, made under the penalties of perjury.

/s/ JOSEPH B. CARROLL
 Executive Secretary
 Teachers' Retirement Board

NET INTEREST EARNED IN 1963 and AMOUNT CREDITED TO MEMBERS' ACCOUNTS

| | | |
|---|---------------------|-----------------------|
| Total Interest received on investments | \$5,335,434.97 | |
| Less: Adjust.to correct 1963 | <u>12,624.50</u> | \$5,322,810.47 |
| Accrued Interest Dec. 31, 1963 | | <u>1,447,010.86</u> |
| Total | | 6,769,821.33 |
| Accrued Interest paid on investments purchased | 113,186.74 | |
| Accrued Interest Dec. 31, 1962 | <u>1,294,522.07</u> | |
| Total | | <u>1,407,708.81</u> |
| Balance | | 5,362,112.52 |
| Amortized value of investments Dec. 31, 1962 | 142,359,722.38 | |
| Value of Savings Bank Deposits Dec. 31, 1962 | 50,000.00 | |
| Par Value of investments purchased | 18,542,930.20 | |
| Premium paid on investments purchased | 214,924.50 | |
| Savings Bank Deposits purchased | <u>50,000.00</u> | |
| Total | | 161,217,577.08 |
| Investments matured | \$2,127,530.20 | |
| Amortized value of investments called and exchanged | 2,438,478.36 | |
| Discount on Purchases | <u>9,875.00</u> | |
| Total | | <u>4,575,883.56</u> |
| Balance | | 156,641,693.52 |
| Amortized value of investments Dec. 31, 1963 | 156,533,275.62 | |
| Value of Savings Bank Deposits Dec. 31, 1963 | <u>100,000.00</u> | |
| Total | | <u>156,633,275.62</u> |
| Decrease | | <u>8,417.90</u> |
| Total | | 5,353,694.62 |
| Deduct investment expense | | <u>385.72</u> |
| Net Interest earned | | \$5,353,308.90 |

C A R R I E D F O R W A R D

NET INTEREST EARNED IN 1963 and AMOUNT CREDITED TO MEMBERS' ACCOUNTS

B R O U G H T F O R W A R D -- Net interest earned \$5,353,308.90

Interest credited during 1963:

| | |
|---|------------------|
| To withdrawal refunds | \$25,930.51 |
| To death refunds | 4,481.29 |
| To accounts of members transferred
to Other Retirement Systems | 2,393.82 |
| To accounts of members retired in 1963 | <u>81,689.26</u> |

Total \$114,494.88

Interest credited Dec. 31, 1963:

| | |
|---|---------------------|
| To balances of members in active service | 3,413,508.80 |
| To balances of members in withdrawal
account | 88,890.85 |
| To unpaid death accounts | 125.32 |
| To Annuity Reserve Fund | <u>1,053,394.98</u> |

Total 4,555,919.95

Total Interest credited 4,670,414.83

Less adjustment account of interest

| | |
|---|---------------|
| credited in error prior to Jan. 1, 1963 | <u>102.36</u> |
|---|---------------|

Net Interest credited charged against
interest earned

4,670,312.47

Net Interest earned in excess of interest
credited to be transferred to the

Commonwealth as provided by Sec.22(6)(a)(iii) 682,996.43

Amount received for investments called,
sold and exchanged

2,016,782.60

Amortized value of investments called,
sold and exchanged

1,938,478.36

Net Gain on investments called, sold
and exchanged (Transferred to

Pension Fund as provided by Sec.22(3)(c)

\$78,304.24

ANNUITY SAVINGS and ANNUITY RESERVE FUNDRate of Interest Earned in 1963

Ledger Assets December 31, 1962:

Investments (Amortized value)

Savings Bank Deposits

Cash

\$142,359,722.38

50,000.00

4,277,686.45

Total

146,687,408.83

Ledger Assets December 31, 1963:

Investments (Amortized value)

Savings Bank Deposits

Cash

\$156,533,275.62

100,000.00

2,259,042.24158,892,317.86

305,579,726.69

Mean

152,789,863.35

Net Interest earned in 1963 - \$5,353,308.90

5,353,308.90 * ■2,676,654.45

\$150,113,208.90

Rate $\frac{5,353,308.90}{150,113,208.90} = 3.5662\%$

ANNUITY RESERVE FUND

| | | |
|---|------------------|---------------------|
| Annuity Reserve Dec. 31, 1962, for retired members
and Option (c) and Option (d) beneficiaries living | | \$33,887,148.00 |
| Annuity Reserve Dec. 31, 1962, for amounts due
estates of retired members and beneficiaries deceased | | 32,982.82 |
| Accumulated total deductions of members retired in
1963 and Option (d) benefits effective in 1963 (Net) -- | | |
| | Regular | \$6,235,081.72 |
| | Military | <u>9,343.26</u> |
| | | 6,244,424.98 |
| Interest credited to Annuity Reserve Fund Dec. 31, 1963 | | 1,053,394.98 |
| Due from Commonwealth account of deficit for year
1963 as provided by Section 22(2)(d) | | <u>295,568.15</u> |
| Total | | \$41,513,518.93 |
|
Annuity Reserve Dec. 31, 1963, for retired members
and Option (c) and Option (d) beneficiaries
living | |
37,590,654.00 |
| Annuity Reserve Dec. 31, 1963, for amount due
estates of retired members and beneficiaries
deceased | | 64,510.80 |
| Annuity payments (Net) | \$3,583,022.24 | |
| Payments to estates - Option (b) (Net) | 263,514.18 | |
| Reinstated to active service | <u>11,817.71</u> | |
| | | <u>3,856,354.13</u> |
| Total | | \$41,513,518.93 |

A true statement, made under the penalties of perjury.

/s/ JOSEPH B. CARROLL
Executive Secretary
 Teachers' Retirement Board

SECTION 12B FUND RESERVE

| | |
|--|-----------------------|
| Section 12B Fund Reserve Dec. 31, 1962, for
beneficiaries living | \$110,013.36 |
| Accumulated total deductions transferred
a/c benefits effective in 1963 | 40,580.75 |
| Military Service Credit deductions transferred
a/c benefits effective in 1963 | <u>454.96</u> |
| Total | \$151,049.07 |
|
Payments in 1963 |
\$10,223.71 |
| Reserve to defray payments as required
by Section 12B of Chapter 32 of the
General Laws, as of Dec. 31, 1963 |
<u>140,825.36</u> |
| Total | \$151,049.07 |

TEACHERS' RETIREMENT BOARDPENSION FUND for year ending December 31, 1963Income

| | |
|--|-------------------|
| Received from Appropriation by Commonwealth for Pension Fund as provided by Section 22(3) (Net) | \$16,739,560.79 |
| Received from Cities, Towns, and County Retirement Systems for reimbursement as provided by Section 3(8)(c) | 7,282.47 |
| Received from members retired account of disability as refund of pension-Section 91A | 1,914.72 |
| Received from Military Service Credit Fund as provided by Chapter 560, Acts of 1949 | 311.56 |
| Received from Unclaimed Check Fund-Chapter 531, Acts of 1957 | 220.85 |
| Received from Section 12B Fund Account on account of payments charged to Pension Fund during 1963 | 10,223.71 |
| Received from Annuity Savings Fund account excess interest credited on refunds from withdrawal account-Section 22(6)(d) | 4,514.21 |
| Received from Annuity Savings Fund as provided by Chapter 531, Acts of 1957 | 10,695.77 |
| Received from Annuity Savings Fund account of Gain on investments called, sold, and exchanged (Net) | 78,304.24 |
| Received from Annuity Savings Fund account of interest earned 1962 in excess of interest credited 1962 (Section 22(6)(a)(iii)) | <u>574,657.00</u> |
| Total | \$17,427,685.32 |

PENSION FUND for year ending December 31, 1963Disbursements

| | | |
|---|------------------|----------------------|
| Pensions paid to members retired prior
to January 1, 1946, under Chapter 832,
Acts of 1913 - Warrants | \$1,011,150.22 | |
| Less - Cancelled checks | <u>12,069.70</u> | |
| Net pensions paid - Chapter 832,
Acts of 1913 | | \$ 999,080.52 |
| Pensions paid to members retired after
January 1, 1946, under Chapter 658,
Acts of 1945 | 16,108,845.88 | |
| Less - Cancelled checks | <u>48,343.80</u> | |
| Net pensions paid - Chapter 658,
Acts of 1945 | | <u>16,060,502.08</u> |
| Total Pensions paid (Net) | | \$17,059,582.60 |
| Reimbursements paid to City, Town, and County
Retirement Systems as provided by
Section 3(8)(c) | | 12,144.06 |
| Refunds to former members as provided by
Chapter 531, Acts of 1957 | | 945.17 |
| Transfers to Military Service Credit Fund --
Chapter 531, Acts of 1957 | | 294.86 |
| Transfer to Military Service Credit Fund on
a account of interest deficit December 31,
1962 - Section 22(6)(a)(iii) | | 885.80 |
| Transfer to Annuity Savings Fund account of
reinstatement of former members - Chapter 531,
Acts of 1957 | | 1,417.38 |
| Transfer to Annuity Savings Fund account of
deductions required by Section 14(1)(a) | | 890.75 |
| Transfer to Annuity Reserve Fund account of
deficit December 31, 1962, as provided
by Section 22(2)(d) | | <u>351,524.70</u> |
| Total | | \$17,427,685.32 |

A true statement, made under the penalties of perjury.

/s/ JOSEPH B. CARROLL
Executive Secretary
Teachers' Retirement Board

TEACHERS' RETIREMENT BOARDREIMBURSEMENT FUND for year ending December 31, 1963Income

Received from Commonwealth by Appropriation for
Reimbursements to Cities and Towns as required
by Section 20(2)(c)

\$3,626,497.31

Disbursements

| | |
|---|---------------------|
| Paid to City of Boston account of pensions
paid under Chapter 589, Acts of 1908
Paid 12/4/63 - Year 1961-1962 | \$ 186,212.94 |
| Paid to City of Boston account of pensions
paid under Chapter 521, Acts of 1922
Paid 12/4/63 - Year 1961-1962 | 125,737.38 |
| Paid to City of Boston account of pensions
paid by State-Boston Retirement System
Paid 12/4/63 - Year 1960-1961 balance due | 352,859.38 |
| Paid to City of Boston account of pensions
paid by State-Boston Retirement System
Paid 12/4/63 - Year 1961-1962 | <u>2,944,549.33</u> |
| Total paid to City of Boston | \$3,609,359.03 |

Paid to Cities and Towns account of pensions
paid under Chapter 498, Acts of 1908:

| | |
|------------------------------------|-----------------|
| Town of Brookline - Year 1961-1962 | 5,101.52 |
| City of Cambridge - Year 1961-1962 | 6,072.88 |
| Town of Milton - Year 1961-1962 | 3,161.76 |
| City of Pittsfield- Year 1961-1962 | 1,200.00 |
| Town of Wellesley - Year 1961-1962 | <u>1,602.12</u> |

Total Payments account of Reimbursements

\$3,626,497.31

A true statement, made under the penalties of perjury.

/s/ JOSEPH B. CARROLL
Executive Secretary
Teachers' Retirement Board

TEACHERS' RETIREMENT BOARDEXPENSE FUND for year ending December 31, 1963Income

| | | |
|--|--------------|--------------|
| Received from Appropriations By Commonwealth
for Personal Services and Expenses | \$175,864.87 | |
| Less - Advance Fund Unaccounted For-returned | <u>20.75</u> | |
| Total Income (Net) | | \$175,844.12 |

Disbursements

| | | |
|--|------------------|--------------|
| Salaries paid to staff of Teachers' Retirement Board | \$142,415.26 | |
| Contingent expenses of administration | \$33,449.61 | |
| Less - Advance Fund Unaccounted
For-returned | <u>20.75</u> | |
| Net Contingent Expenses | <u>33,428.86</u> | |
| Total Disbursements (Net) | | \$175,844.12 |

A true statement, made under the penalties of perjury.

/s/ JOSEPH B. CARROLL
Executive Secretary
Teachers' Retirement Board

TEACHERS' RETIREMENT BOARDMilitary Service Credit FundIncome

| | |
|--|---------------|
| Received from Cities and Towns - Section 9 and 9A,
Chapter 708, Acts of 1941 | \$15,974.28 |
| Received from Commonwealth of Massachusetts -
Section 9 and 9A, Chapter 708, Acts of 1941 | 294.86 |
| Interest received on Investments | 17,432.10 |
| Received from Commonwealth account of interest
deficit 1962-Section 22(6)(a)(iii) | <u>885.80</u> |
| Total Income | \$34,587.04 |

Disbursements

| | |
|---|------------------|
| Transfer to Annuity Reserve Fund account of
members retired | \$ 6,491.21 |
| Transfer to Annuity Reserve Fund account of
member-survivor benefits-Section 12(2)(option (d)) | 2,850.05 |
| Transfer to Section 12B Fund account of survivor
benefits-Section 12B | 454.96 |
| Refunds to Cities and Towns - Section 22(4)(a)
and Section 22(4)(c) | 19,087.13 |
| Refunds to Commonwealth of Massachusetts -
Section 22(4)(a) | <u>311.56</u> |
| Total Disbursements | <u>29,194.91</u> |
| Income in excess of Disbursements | \$ 5,392.13 |

MILITARY SERVICE CREDIT FUNDAssets

| | |
|---|---------------|
| Investments (par value \$584,742.30) | |
| Amortized value | \$587,107.33 |
| Cash | 5,735.19 |
| Accrued Interest | 6,505.61 |
| Due from Commonwealth - deficit - Sec.22(6)(a)(iii) | <u>125.44</u> |
| Total Assets | \$599,473.57 |

Liabilities

| | |
|---|-------------------|
| Deposits and interest - City & Town Accounts | \$ 38,332.48 |
| Accumulated deductions and interest - members | <u>561,141.09</u> |
| Total Liabilities | \$599,473.57 |

I hereby certify that the above statement is a complete and correct exhibit of the financial condition of the Teachers' Retirement Military Service Fund of the Teachers' Retirement Board on the thirty-first day of December, 1963.

A true statement, made under the penalties of perjury.

/s/ JOSEPH B. CARROLL
Executive Secretary
Teachers' Retirement Board

MILITARY SERVICE FUNDNet Interest Earned in 1963 and Amounts Credited
to City, Town & Members Accounts

| | | |
|---|-------------------|------------------|
| Total Interest received on investments | | \$17,432.10 |
| Accrued Interest December 31, 1963 | | <u>6,505.61</u> |
| Total | | 23,937.71 |
| Accrued Interest December 31, 1962 | | <u>6,508.25</u> |
| Balance | | 17,429.46 |
| Amortized value of investments December 31, 1962 | \$570,168.97 | |
| Par value of investments purchased | <u>179,742.30</u> | |
| Total | 749,911.27 | |
| Investments matured | <u>162,617.90</u> | |
| Balance | 587,293.37 | |
| Amortized value of investments December 31, 1963 | <u>587,107.33</u> | |
| Decrease | | <u>186.04</u> |
| Net Interest earned (Average rate 2.9647%) | | 17,243.42 |
| Interest credited to accounts of Cities and Towns | 1,071.99 | |
| Interest credited to members accounts - retired
regular & Option (d) survivors | 102.11 | |
| Interest credited to members accounts - Sec.12B survivors | 2.26 | |
| Interest credited to members accounts refunded to
Commonwealth a/c Chapter 560, Acts of 1949 | 5.21 | |
| Interest credited to members accounts refunded
to Cities and Towns | 233.44 | |
| Interest credited to balances of active members accounts | 15,965.94 | |
| Interest credited to adjust balance members accounts | <u>27.65</u> | |
| | 17,408.60 | |
| Less adjustment account of interest credited in
error prior years | <u>28.51</u> | |
| Net Interest credited to be charged against
interest earned | | <u>17,380.09</u> |
| Interest deficit to be assumed by
Commonwealth - Section 22(6)(a)(iii) | | \$136.67 |

MILITARY SERVICE FUND 5300Rate of Interest Earned in 1963

Ledger Assets December 31, 1962:

Investments (Amortized value)

\$570,168.97

Cash

17,469.46

Total

587,638.43

Ledger Assets December 31, 1963:

Investments (Amortized value)

\$587,107.33

Cash

5,735.19

Total

592,842.52

\$1,180,480.95

Mean

590,240.48

Net Interest earned in 1963 - \$17,243.42

 $\frac{17,243.42}{2} = 8,621.71$

\$581,618.77

Rate - $\frac{17,243.42}{581,618.77} = 2.9647\%$

ANNUAL REPORT

Division of Massachusetts Maritime Academy

Year Ending June 30, 1964

The 1963 - 1964 school year commenced on 22 July 1963 with an entering class of 81 and a total enrollment of 190 midshipmen.

The 121st Commencement Exercises were held on 28th July 1963. Degrees were conferred on fifty-eight (58) graduates of the class of 1963 by Dr. Thomas J. Curtin of the Department of Education. The address to the graduates was given by the Honorable Hastings Keith of the 12th Massachusetts District.


All members of the graduating class obtained immediate employment.

On January 7, 1964, the Training Ship BAY STATE departed on the annual cruise. The first port of call was Jacksonville, Florida then to Balboa, Panama Canal Zone; Acapulco, Mexico; San Francisco, California; San Diego, California; Balboa, Panama Canal Zone; Galveston, Texas; Port of Palm Beach, Florida; Boston, Massachusetts; and then return to Buzzard's Bay, Massachusetts on 31 March 1964.

There were 239 applicants for the class of 1967 and it is expected that eighty-five will be accepted and report on board 6 July 1964 to commence the course.

On 18 June 1964 the Governor of Massachusetts signed legislation removing the Board of Commissioners and placing the Massachusetts Maritime Academy as a unit within the Division of State Colleges.

The Maintenance appropriation by the Commonwealth for the fiscal year ending 30 June 1964 was \$533,524.00.


R. T. ROUNDS, Captain, USNR
Acting President

RTR:es

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OFFICE OF
DIRECTOR, RESEARCH AND STATISTICS

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BRADFORD DUFFEE COLLEGE OF TECHNOLOGY

Fall River, Massachusetts

PRESIDENT'S REPORT

1963 -- 1964

The remarkable extent to which those associated with the college have contributed to its improvement is most encouraging and rewarding. There is a debt to an enormous number of people who have been so generous and diligent in their desire to be of assistance in providing quality higher educational opportunity in Southeastern Massachusetts.

Among those who have been continuously concerned with this higher education improvement have been our legislators and other elected officials, Trustees, Administrators, Faculty, Alumni, Students, College Staff and many residents of the Fall River Area.

The degree of cooperation in the common interest in this difficult period of preparation for the consolidation of the New Bedford Institute of Technology and Bradford Duffee College of Technology into the unified structure Southeastern Massachusetts Technological Institute has been amazing. There is a most encouraging awareness of their public trust on the part of those concerned which is reflected in the careful planning for future operation.

Each department has met many times with its counterpart in New Bedford to discuss space requirements, enrollment, curriculum, equipment, faculty members, teaching methods, average class size, research programs and facilities, and various other necessary requirements.

Corresponding departments from both colleges have met with consultants to assist in planning for the new institution. The areas in which they offered assistance were as follows: space requirements, enrollment, equipment, research facilities, physical and structural recommendations such as arrangement of classrooms, office space, electrical outlets, and so forth.

The realization of our students of their part in this educational venture is most remarkable. Students are in attendance only a few weeks before practically all are aware of their obligation to others in the community and the responsibility for the preservation of public property.

Again this year not one student was dismissed or suspended from the college. This same attainment of unusual student behavior has been maintained for at least six years. In a later study we hope to investigate this appreciation on the part of our students. This is most unusual when one reads that the primary source of ill feelings in some of the major universities in the country is the opinion of students that they are neglected by the faculties.

Bradford Durfee College of Technology
Annual Report

1963-1964

Trustees

In the July meeting of the Board of Trustees, Mr. Francis T. Meagher was elected Chairman and Mr. Wilfred C. Driscoll was elected Vice-Chairman, to serve until July 1, 1964.

The following changes were made in the Board of Trustees:

| <u>Appointment Date</u> | <u>New Appointees</u> | <u>Trustees Retiring</u> |
|---------------------------|-----------------------|--------------------------|
| Oct. 3, 1963 | HANIFY, JOSEPH E. | KISS, MATTHEW J. |
| Ex officio
(Jan. 1964) | DESHARAI, ROLAND | ARANDA, JOHN M. |
| Nov. 20, 1963 | GARR, DR. FRANCIS | PIERCE, ALBERT G. |

The Bradford Durfee College of Technology Board of Trustees most generously and thoughtfully voted unanimously for consolidation of the two branches one year in advance of the originally proposed date of consolidation for the purpose of forming an integrated administration and to allow for the planning of a more orderly transition to the unified organization.

The commendable cooperation given to the S.M.T.I. Board of Trustees by the Bradford Durfee College of Technology Board of Trustees was both exemplary and encouraging. I can think of no request by the new Board of Trustees which was not granted.

In July 1963 the college lost a most loyal and dedicated supporter for over 50 years through the death of Mr. Charles P. Mullen, a member of the Board of Trustees.

Mr. Mullen, the scholarly President of the Loom Fixers Union, brought a thoughtful deep and abiding interest in all our problems. Perhaps appreciation of him was best expressed by Admiral Hyman Rickover, father of the atomic submarine. The Admiral, on hearing Mr. Mullen, a self-educated man, discuss ancient history and the history of the labor movement said, "Mr. Mullen you are the most remarkable labor man I have ever met".

FACULTY APPOINTMENTS

- Mr. Sousa Mr. Manuel Sousa was appointed a full-time Instructor in the Mathematics Department effective September 1, 1963. Mr. Sousa studied engineering at Brown University for a year before graduating from Bradford Durfee College as a mathematics major. He has a half-year graduate work at Northeastern University in Mathematics. He served as a mathematics teacher at B.M.C. Durfee High School and as a part-time Instructor in mathematics at Bradford Durfee College during 1962.
- Mrs. Noyi Appointment was approved of Mrs. Bronislawa Y. Noyi as a full-time Instructor in languages and literature effective January 26, 1964. Mrs. Noyi, who has wide experience in language teaching, attended the University of Berlin and received B.S. and M.A. degrees from the University of California at Berkeley, Calif., and Canisius College, Buffalo, N.Y., respectively, in landscape architecture. She also has studied at Utah State University, Coahima (Ariz.) School of Art, and Temple University. She has taught Russian, French and German, and served as a translator for the British Royal Air Force for three years during World War II.
- Mr. Wilcox The appointment of Alan S. Wilcox as a part-time lecturer in the Art Department during a leave of absence being taken by Mrs. Barbara Alpert was approved effective January 2, 1964. Mr. Wilcox holds a B. A. degree in English and French from the State University of Oklahoma and a master in fine arts degree from the State University of Iowa.
- Mr. Lozinski- Dr. B. Philip Lozinski was appointed as an assistant professor in art effective September 1, 1964. Dr. Lozinski was educated at the University of Warsaw, Poland and the University of Grenoble, France. He holds his master's degree and his doctorate in art from Yale University. He has held fellowships from Yale University, the Kosciuszko and Rockefeller Foundations, and has taught at Connecticut College, Yale University and the University of British Columbia. He is the author of one book and another whose publication is forthcoming, plus numerous articles, and papers read before scholarly organizations here and abroad.

- Mr. Creamer ~ The appointment of Mr. David J. Creamer as an Instructor in Mechanical Engineering was approved and will become effective September 1, 1964. Mr. Creamer received his B.S. degree from Bradford Durfee College, received his master's degree in Mechanical Engineering from the University of Massachusetts and studied a year and one-half at the University of Connecticut.
- Mr. Rego ~ Mr. Richard P. Rego was appointed as a part-time Instructor in Mathematics effective September 1, 1963. Mr. Rego graduated with a B.S. degree in Mathematics from Bradford Durfee College and has done graduate work in education at Bridgewater State College. He taught mathematics at Westport High School last year and has been an evening school mathematics teacher at Bradford Durfee Evening School.
- Mr. Biggelaar Mr. Hans Van den Biggelaar was appointed as an associate professor in the Department of Electrical Engineering, effective September 1, 1964. Mr. Biggelaar received his B. S., M. S., and M. E. Degrees in Electrical Engineering from the University of Delft, Delft, Holland. He has taught at Rensselaar Polytechnic Institute, Troy, N.Y., Skidmore College, Saratoga Springs, N. Y. and the Massachusetts Institute of Technology, Cambridge, Massachusetts.
- Mr. Higginson Effective September 1, 1964, Mr. Thomas Higginson will be an Instructor in the Business Administration Department. Mr. Higginson received his B. S. degree from Boston College and M. B. A. from Boston University, specializing in Industrial Management.

FACULTY SALARIES

We were most fortunate in being able to announce a 20% increase in faculty salaries during the year. This enhanced enormously the position of the college in the market for qualified faculty with industry and other colleges which were operating under a much higher salary scale.

RETIREMENT

After 30 years of constant and dedicated service as Head of the Department of Engineering and as a skillful teacher of Mechanical and Civil Engineering our beloved and generous Frank H. Dillon retired. It has been a pleasure to have members of the alumni constantly recall the patience and extra effort on Mr. Dillon's part which was so helpful in our student's acquiring skill in the solution of difficult engineering problems.

FACULTY GRADUATE STUDY

FACULTY MEMBERS GRANTED SABATTICAL LEAVES -- Two faculty members have been granted sabattical leaves for the second semester in order to do further graduate study. Professor Walter J. Cass, Associate Professor of German, will be continuing study toward a doctorate at Boston University, while Everett S. Arnold, Assistant Professor of Textiles, will continue work at Lowell Technological Institute where he has been accumulating credits toward a master's degree. During their absence, Professor Cass' courses will be taught by Mrs. Bronislawa Noyi, who attended the University of Berlin, graduated from the University of California, and holds a master's degree from Canisius College. Mrs. Noyi speaks seven languages fluently and has experience in teaching several of them. Mr. Arnold's courses in weaving will be taught by Mr. Lucien Picard, Supt. of the Weaving Division of Berkshire Hathaway Mills in Fall River.

Other faculty members who are advancing their education through part-time graduate study include Professor William Wild, head of the Business Administration Department, who continues moving rapidly toward his doctorate at Boston University; Professor Eugene Williams of the Engineering Department at Bridgewater State College; Dennis Cummings and Alfred McNally instructors in Textile Technology at Lowell Technological Institute; Allan Campbell, instructor in Civil Engineering, Donald Presel, assistant professor in physics, and Manuel Sousa, instructor in mathematics, at Northeastern University; Professors Parente and Bento of the Mathematics and Physics Department at Boston University, where they are working toward their doctorates.

RESEARCH IN THE CHEMISTRY DEPARTMENT

In September 1963, Dr. Walter E. Conrad, Chairman of the Chemistry Department received \$4,140. from the Petroleum Research Fund for the support of his research on "Acetals of 1,3-Glycols". Two students, Richard A. St.Amand and Robert Lima, were hired to work full time on the project during the summer of 1964.

During the summer of 1963, Dr. Conrad attended an NSF Conference on Instrumental Methods of Analysis at RPI, Troy, N.Y., during the course of which he did a research problem on "Nuclear Magnetic Resonance Spectra of Cyclic Acetals of 1,3-Glycols". The research is continuing at Bradford Durfee College (and at SMTI).

RESEARCH IN THE TEXTILE DEPARTMENT

This department does a great deal of development and research work for industry throughout the country. The Research Foundation of the school has been set up along the same lines as that of New Bedford and is so operated. In the past year we have worked for the following corporations, as well as for the government:

U. S. Department of Agriculture: We have processed one bale of American Egyptian Cotton, Grade 2, $1\frac{1}{2}$ " staple, and reported our findings on same.

Herculon 3 denier $1\frac{1}{2}$ " staple from Hercules Powder Co.

Accle-75-24-2 Z Bright - E. I. DuPont Company.

Teflon 6-67 denier $1\frac{1}{2}$ " staple - E.I. DuPont Company.

Milk Weed Fiber

Sterling Pile Fabric Corp.
Fall River

Welch Manufacturing Co.
Providence, R. I.

Ashworth Bros., Inc.
Fall River

Globe Manufacturing Co.
Fall River

The Lamport Co. Inc.
Fall River

Barclay Mills, Inc.
Fall River

Louis Hand, Inc.
Fall River

Fairhope Fabrics
Fall River

Nantucket Looms
Nantucket Island

Perfect Circle Corp.
Hagerstown, Indiana

PLACEMENT

Our graduating class was especially successful in their quest for positions. Our graduating engineers received from \$6000. to \$8000. per year as their starting salaries in industry. Representatives of 40 major corporations of the United States (the largest number to date) visited the college, interviewed our seniors, and made offers of positions.

RECRUITMENT OF BRADFORD DURFEE COLLEGE OF TECHNOLOGY

GRADUATES BY INDUSTRIES AND AGENCIES

The following is a list of corporations and agencies which have scheduled placement interviews this college year (1963-1964) for their recruiters to come to Bradford Durfee College of Technology and interview our seniors for employment by them. Eighty (80) percent of those listed have been successful in inducing our graduates to join their staffs. One hundred (100) percent of production industrial concerns listed have succeeded in hiring our graduates and are back hoping to hire addition men and women of equal quality.

Allied Chemical Corporation
Allis-Chalmers Manufacturing Company
American Brass and Steel Products Company
American Enka Corporation
American Optical Company
Baltimore and Ohio Railroad
Bendix Corporation
Berkshire-Hathaway, Inc.
Bureau of Public Roads (U.S. Dept. of Commerce)
Bureau of Ships (Federal)
Central Intelligence Agency
Chicago Pneumatic Tool Company
Chicopee Manufacturing Company
Corning Glass Works
Deering Milliken, Inc.
Dominion Textile Company
Dow Chemical Company
Equitable Life Assurance Company
Fall River Electric Light Company
Federal Aviation Agency
F. W. Woolworth Company
General Electric Company
Improved Risk Mutuals
Joseph Bancroft and Sons, Inc.
J. P. Stevens and Company, Inc.
Massachusetts Mutual Life Insurance Company
Metropolitan Life Insurance Company
New York Life Insurance Company
North American Aviation, Inc.
Northwestern Mutual Life Insurance Company
Pepperell Manufacturing Company
Pratt and Whitney Company, Inc.
Public Welfare (Commonwealth of Massachusetts)
Springfield Armory
State of Connecticut (Public Roads)
Vitro Laboratories Division of Vitor Corporation of America

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GRADUATE STUDY BY OUR ALUMNI

The following is a partial list of the colleges into which graduates of Bradford Durfee College of Technology have been accepted as graduate students or as teachers.

| | |
|------------------------------|-------------------------------|
| Boston College | University of Kansas |
| Boston University | Lowell Tech. Institute |
| University of Bridgeport | University of Maine |
| Bridgewater State College | University of Maryland |
| Brown University | University of Massachusetts |
| University of Buffalo | Mass. Institute of Technology |
| University of Chicago | Miami University, Ohio |
| Art Institute of Chicago | New York University |
| University of Cincinnati | Northeastern University |
| Clark University | Pennsylvania State University |
| Clemson College | University of Pittsburgh |
| Columbia University | Princeton University |
| Drexel University | Providence College |
| University of Florida | Purdue University |
| Fordham University | Rensselaer Polytechnic Inst. |
| Franklin and Marshall | University of Rhode Island |
| George Washington University | University of Southern Calif. |
| Harvard University | University of Virginia |
| University of Idaho | University of Washington |
| University of Illinois | U.C.L.A. |
| University of Iowa | Wesleyan |
| University of Kentucky | University of Western Mass. |
| University of Wisconsin | Worcester Polytechnic Inst. |

During the past twelve months graduates of Bradford Durfee were awarded the following doctorates: (this is not the complete list)
(3-18-64)

One Doctor's degree in Electronics from Brown University; top man in the Engineering School, with a graduate record of fifteen A's and one B, at Brown.

One Doctor's degree from Pennsylvania State University, in Mathematics; top man in the Mathematics Department, with a graduate record of all A's, but one B.

One Doctor's degree from Harvard, and the award of a Fulbright Scholarship, allowing for a year of study and travel in Europe.

One Doctor's degree from Princeton.

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BUSINESS ADMINISTRATION DEPARTMENT PLACEMENT INFORMATION

The first class in Business Administration was graduated in 1960. Since then we have placed graduates with the following listed companies:

Addressograph-Multigraph Corporation
Allis-Chalmers
American Optical
Anderson-Little Company, Inc.
Babcock and Wilcox Company
Bearings Company of America
Blue Cross-Blue Shield
Boeing Company
Burroughs Corporation
Charles Pfizer and Company, Inc.
Cherry and Webb Company
Commercial Credit Corporation
F. W. Woolworth Company
First National Bank of Boston
Ford Motor Company
Fram Corporation
General Adjustment Bureau
Hemingway Bros. Interstate Trucking Company
Household Finance Corporation
Internal Revenue Service
John Hancock Life Insurance Company
Jordan Marsh Company
Louis Hand, Inc.
Massachusetts Mutual Life Insurance Company
Metropolitan Life Insurance Company
McGraw-Hill Publishing Company, Inc.
National Cash Register Company
Pitney-Bowes Corporation
Prudential Life Insurance Company
Railway Express Agency
Ralston-Purina Company
Rogers Corporation
Sandoz Pharmaceutical Corporation
Shell Oil Company
Shelburne Shirt Corporation
Stop & Shop, Inc.
U. S. Government (Civil Service)
United Merchants and Manufacturers
Western Electric Company, Inc.

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ADMISSIONS

This year again Bradford Durfee College of Technology is most pleased to announce that every qualified applicant for admission was accepted. We are most grateful for the cooperation given to us by the area High School Guidance Directors in making certain that every possible candidate capable of meeting college standards was encouraged to apply for admission.

The Guidance Department at Durfee High School was particularly helpful through their carefree combing of their rolls in June to make certain that no one was neglected.

1. Information on action by Admissions Committee concerning applications for September 1964:
 - a. Number of applications received to date (reg. & transfer) 511
 - b. Number of applications complete for evaluation (reg.& trans.) 511
 - c. Number of applications incomplete (need additional info., reg. & trans) 0
 - d. Number of applications evaluated and Accepted to date (reg.& trans.) 300

Applicants Accepted

| <u>OPTION</u> | <u>REGULAR</u> | <u>REFUSED
REG.
ACCEP.T.</u> | <u>REVISED
TOTAL</u> | <u>TRANSFER
STUDENTS</u> | <u>TOTAL</u> | <u>REV.
TOTAL</u> |
|---------------|----------------|--------------------------------------|--------------------------|------------------------------|--------------|-----------------------|
| | | | | <u>F S O S</u> | | |
| Art | 34 | 3 | 31 | 4 4 - - | 8 | 7 |
| Bus. Adm. | 55 | 13 | 42 | 9 - - - | 9 | 9 |
| Civil E. | 16 | 5 | 11 | 9 2 - - | 11 | 10 |
| Elec. E. | 26 | 3 | 23 | 1 5 - - | 6 | 5 |
| Ind. E. | 1 | 0 | 1 | - - - - | - | - |
| Mech. E. | 12 | 3 | 9 | 8 6 - - | 14 | 13 |
| Math. | 13 | 4 | 9 | 1 2 - 3 | 3 | 3 |
| Med. Tech. | 32 | 12 | 20 | 2 1 1 - | 4 | 4 |
| Tex. Tech. | 34 | 3 | 31 | 14 3 1 1 | 9 | 9 |
| Chemistry | 9 | 5 | 4 | 3 1 - - | 4 | 4 |
| TOTALS | 232 | 51 | 181 | 68 | 68 | 64 |

EVENING COLLEGES

The following courses were given in our Evening College in which we had a record enrollment:

Machine Shop
Int. Steam Boilers
English Literature
Industrial Electronics
Beginners-Steam Boilers
Drawing and Painting
Adv. Steam Boilers
Electricity
Electronics
Mechanical Drawing
English Composition
Principles of Psychology
Fundamentals of Economics
Welding
Algebra I & II
College Algebra & Trigonometry
Elementary Accounting
Personnel Management & Industrial Relations
Plane Trigonometry
Industrial Management

ART DEPARTMENT

The department will be strengthened considerably in September 1964 by the addition of Professor B. Philip Lozinski Ph.D. who has had a most unusual and comprehensive experience at the University of Warsaw, University of Grenoble, Yale University and several other seats of learning in Europe and No. America.

Many members of the teaching staff and the student body have displayed their work in a number of shows in the New England and New York area.

Professor Edward Tognari was most successful in developing a new Lucite formula painting medium for the DuPont Co. Several of his paintings were on display in the DuPont Co. Main Offices.

A record breaking enrollment of 95 students is expected in September of 1964 in the Art Department.

CONTENTS ON THE DEPARTMENT OF BUSINESS ADMINISTRATIONGraduate Study

All the full-time regular members of the Department have been doing graduate work during the year. Mr. Silvia at the University of Rhode Island, Mr. Laflamme and Mr. Higginson at Boston College, and Mr. Wild at Boston University. This speaks well of the members of the Department who are trying to further their own education in order to keep abreast of the latest developments in the field.

Curriculum

The Department has functioned very well under the curriculum prepared for the 1962-1964 Bulletin. We have followed the program with the following exceptions Economic Statistics (B.A. 36) has been taken from the Junior Year Program and put into the Sophomore Year Program replacing Production Management (B.A. 27.1). The Production Management course has been put into the first semester of the Junior Year. This change was made so that the student could have a more positive recall to some of his Mathematics work that is a necessity of Economic Statistics. The change was well received and it worked out satisfactorily.

Equipment

During the year the Department has added the following major pieces of equipment:

- A Friden Flexowriter
- A Multilith (Addressograph-multigraph)
- A Collator
- An Exposure Frame (Addressograph-multigraph)

Orders have also been placed for an IBM Electric Typewriter and a Vari-typer to increase our equipment holdings.

S.M.T.I. PLANNING

This Department has been very actively engaged in planning for the new University. We have worked on curriculum, building plans, and departmental offerings for other departments. It has been a very time consuming process but has added greatly to our educational experience.

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Future Plans

At the present time the future plans call for us to institute an "Accounting Major" and a "Marketing Major" beginning in September. We are fully prepared and ready for this major step and foresee no great obstacles at this moment. Planning is being done with the thought of applying for accreditation by the American Association of Collegiate Schools of Business as soon as we move onto the new campus.

Graduates

The graduates of this Department have been doing very well in their chosen work. We have heard directly from many of our graduates and have had many hours of conversation with them about their work. They all speak highly about their preparation at Bradford Durfee and find that they rate well up on the ladder in comparison with graduates of our Colleges and Universities. We have been very pleased over their comments.

This years graduates have been very successful in finding employment . . . or going on to Graduate School. They should do well out in the field because they were a very good group, taken as a whole, in comparison with our other graduating members.

STUDENT LOAN FUND

Again this year every student, not on probation, who has applied has been able to borrow the full amount of his college tuition. There is no interest charged for this money during the student's college career. Interest starts one year after the student leaves college.

Fortunately we have been able to offer this full tuition loan advantage to every qualified applicant for the past four years.

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TABLE I
ENROLLMENT 1963-64

| <u>DAY</u> | <u>INDUSTRIAL EXTENSION</u> | | | | | | |
|------------|-----------------------------|--------------|--------------|-------------------|----------------|--------------|--------------------|
| | <u>Reg.</u> | <u>Spec.</u> | <u>Total</u> | <u>Evening</u> | <u>Morning</u> | <u>Total</u> | <u>Grand Total</u> |
| 1962-63 | 490 | 231 | 721 | 638 $\frac{1}{2}$ | 0 | 638 | 1359 |
| 1963-64 | 505+ | 211++ | 716 | 666 $\frac{1}{2}$ | 0 | 666 | 1382 |

+ This figure includes 13 veterans and 5 foreign students.

++ This figure includes 120 Junior Art Students, 99 Student Nurses, and 2 Special and Unclassified Students.

// This figure includes Evening credit and non-credit courses.

TABLE II
BREAKDOWN OF DAY STUDENTS 1963-64

| <u>Degree Courses</u> | <u>1st Yr.</u> | <u>2nd Yr.</u> | <u>3rd. Yr.</u> | <u>4th Yr.</u> | <u>Total</u> |
|---|----------------|----------------|-----------------|----------------|--------------|
| Art & Product Development | 26 | 19 | 13 | 19 | 77 |
| Business Administration and
Business Engineering | 36 | 38 | 44 | 46 | 164 |
| Chemistry | 3 | 9 | 9 | 5 | 26 |
| Medical Technology | 17 | 10 | 3 | 1 | 31 |
| Engineering | 26 | 33 | 28 | 31 | 118 |
| Textile Technology | 23 | 16 | 11 | 6 | 56 |
| Mathematics | 12 | 7 | 8 | 6 | 33 |
| | <u>143</u> | <u>132</u> | <u>116</u> | <u>104</u> | <u>505</u> |
| Specials and Unclassified Students | | | | | <u>211</u> |
| | | | | | <u>716</u> |

TABLE III
BREAKDOWN OF REGULAR STUDENTS BY RESIDENCE 1963-64

| <u>Massachusetts</u> | <u>Out-of-State</u> | <u>Foreign</u> | <u>Total</u> |
|----------------------|---------------------|----------------|--------------|
| 451 | 49 | 5 | 505 |

Distribution of Enrollment 1962-63:

| <u>Massachusetts</u> | <u>Out-of-State</u> | <u>Foreign</u> |
|----------------------|---------------------|----------------|
| 89.31 | 9.70 | .99 |

Foreign countries represented, viz:

| <u>Thailand</u> | <u>Greece</u> | <u>South America</u> | <u>China</u> | <u>Fornosa</u> |
|-----------------|---------------|----------------------|--------------|----------------|
| 1 | 1 | 1 | 1 | 1 |

CHAPTER I

THE DISTRICT OF COLUMBIA

THE DISTRICT OF COLUMBIA

1800

| Year | Population | Area (sq. mi.) | Density (per sq. mi.) |
|------|------------|----------------|-----------------------|
| 1800 | 2,000 | 36 | 55 |
| 1810 | 11,000 | 36 | 305 |
| 1820 | 22,000 | 36 | 611 |
| 1830 | 42,000 | 36 | 1,167 |
| 1840 | 62,000 | 36 | 1,722 |
| 1850 | 82,000 | 36 | 2,278 |
| 1860 | 102,000 | 36 | 2,833 |
| 1870 | 122,000 | 36 | 3,389 |
| 1880 | 142,000 | 36 | 3,944 |
| 1890 | 162,000 | 36 | 4,500 |
| 1900 | 182,000 | 36 | 5,056 |
| 1910 | 202,000 | 36 | 5,611 |
| 1920 | 222,000 | 36 | 6,167 |
| 1930 | 242,000 | 36 | 6,722 |
| 1940 | 262,000 | 36 | 7,278 |
| 1950 | 282,000 | 36 | 7,833 |
| 1960 | 302,000 | 36 | 8,389 |
| 1970 | 322,000 | 36 | 8,944 |
| 1980 | 342,000 | 36 | 9,500 |
| 1990 | 362,000 | 36 | 10,056 |
| 2000 | 382,000 | 36 | 10,611 |
| 2010 | 402,000 | 36 | 11,167 |
| 2020 | 422,000 | 36 | 11,722 |

The District of Columbia is a unique entity, a city within a city, a place where the nation's government is located. It is a place of great historical significance, a place where the nation's future is being shaped. The District of Columbia is a place of great beauty, a place where the nation's capital is located. It is a place of great importance, a place where the nation's destiny is being decided.

CHAPTER II

THE DISTRICT OF COLUMBIA

| Year | Population | Area (sq. mi.) | Density (per sq. mi.) |
|------|------------|----------------|-----------------------|
| 1800 | 2,000 | 36 | 55 |
| 1810 | 11,000 | 36 | 305 |
| 1820 | 22,000 | 36 | 611 |
| 1830 | 42,000 | 36 | 1,167 |
| 1840 | 62,000 | 36 | 1,722 |
| 1850 | 82,000 | 36 | 2,278 |
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| 1950 | 282,000 | 36 | 7,833 |
| 1960 | 302,000 | 36 | 8,389 |
| 1970 | 322,000 | 36 | 8,944 |
| 1980 | 342,000 | 36 | 9,500 |
| 1990 | 362,000 | 36 | 10,056 |
| 2000 | 382,000 | 36 | 10,611 |
| 2010 | 402,000 | 36 | 11,167 |
| 2020 | 422,000 | 36 | 11,722 |

CHAPTER III

THE DISTRICT OF COLUMBIA

| Year | Population | Area (sq. mi.) | Density (per sq. mi.) |
|------|------------|----------------|-----------------------|
| 1800 | 2,000 | 36 | 55 |
| 1810 | 11,000 | 36 | 305 |
| 1820 | 22,000 | 36 | 611 |
| 1830 | 42,000 | 36 | 1,167 |
| 1840 | 62,000 | 36 | 1,722 |
| 1850 | 82,000 | 36 | 2,278 |
| 1860 | 102,000 | 36 | 2,833 |
| 1870 | 122,000 | 36 | 3,389 |
| 1880 | 142,000 | 36 | 3,944 |
| 1890 | 162,000 | 36 | 4,500 |
| 1900 | 182,000 | 36 | 5,056 |
| 1910 | 202,000 | 36 | 5,611 |
| 1920 | 222,000 | 36 | 6,167 |
| 1930 | 242,000 | 36 | 6,722 |
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| 1950 | 282,000 | 36 | 7,833 |
| 1960 | 302,000 | 36 | 8,389 |
| 1970 | 322,000 | 36 | 8,944 |
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| 2000 | 382,000 | 36 | 10,611 |
| 2010 | 402,000 | 36 | 11,167 |
| 2020 | 422,000 | 36 | 11,722 |

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| 1830 | 42,000 | 36 | 1,167 |
| 1840 | 62,000 | 36 | 1,722 |
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| 2010 | 402,000 | 36 | 11,167 |
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|------|------------|----------------|-----------------------|
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| 1820 | 22,000 | 36 | 611 |
| 1830 | 42,000 | 36 | 1,167 |
| 1840 | 62,000 | 36 | 1,722 |
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| 1920 | 222,000 | 36 | 6,167 |
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| 1960 | 302,000 | 36 | 8,389 |
| 1970 | 322,000 | 36 | 8,944 |
| 1980 | 342,000 | 36 | 9,500 |
| 1990 | 362,000 | 36 | 10,056 |
| 2000 | 382,000 | 36 | 10,611 |
| 2010 | 402,000 | 36 | 11,167 |
| 2020 | 422,000 | 36 | 11,722 |

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TABLE IV

EVENING SCHOOL STATISTICS 1963-64

| <u>College Credit Courses</u> | | <u>Non-Credit Courses</u> | |
|--|-----|-----------------------------------|-----|
| Administrative Practices | 11 | Algebra I & II | 43 |
| College Algebra & Trig. | 10 | Drawing & Painting | 39 |
| Elementary Accounting | 31 | Creative Painting | 35 |
| English Composition | 43 | Electricity | 33 |
| English Literature | 19 | Electronics | 24 |
| Fundamentals of Economics | 11 | Industrial Elec. | 19 |
| Industrial Management | 21 | Machine Shop | 29 |
| Personnel Management &
Industrial Relations | 27 | Mechanical Drawing | 35 |
| Principles of Psychology | 27 | Plane Trigonometry | 19 |
| | | Steam Boilers &
Engines - Beg. | 56 |
| | | Intermediate | 19 |
| | | Advanced | 28 |
| | | Welding | 59 |
| | | Unfil Winder | 13 |
| | 200 | Total | 451 |
| | | Grand Total | 651 |

TABLE V

GRADUATION STATISTICS 1963-1964

| <u>Day Division</u> | | <u>EVENING DIVISION</u> | | <u>JR. ART</u> | |
|---------------------|----------------|-------------------------|---------------------|----------------|--------------|
| | <u>Degrees</u> | <u>Certificates</u> | <u>Certificates</u> | <u>Cert.</u> | <u>Total</u> |
| 1962-63 | 107 | 113 (Nurses) | 278 | 115 | 613 |
| 1963-64 | 103 | 110 (Nurses) | 150 | 120 | 483 |

Honorary Degrees

4*

*This figure includes 2 Doctor of Humane Letters degrees, 1 Doctor of Laws degree and 1 Doctor of Letters degree.

1963 Summer School
July 1-- Aug. 9, 1963

| <u>No. of Courses</u> | <u>No. Auditors</u> | <u>No. Paying Tuition</u> | <u>Total Registration</u> |
|-----------------------|---------------------|---------------------------|---------------------------|
| 11 | 0 | 107 | 107 |

R E P O R T
of the
P R E S I D E N T
to the
T R U S T E E S

1963-1964
NEW BEDFORD INSTITUTE
of
TECHNOLOGY

GENERAL

During the fiscal year 1963-1964 the New Bedford Institute of Technology again enjoyed a period of notable progress. This is reflected in the greatly increased applications and a subsequent growth in enrollment. The approved operating budget was again a very tight one but a total of \$11,000 for equipment was made available under the "Special Appropriation Act". Under this same act a sum of \$15,000 was made available for general repairs. Under a special appropriation for libraries in the Commonwealth's Institutions of Higher Learning, \$8000 was provided for the New Bedford Institute.

The day enrollment continues to increase and the evening school and summer school programs continue to be increasingly popular. Much work was done during the year in anticipation of the merger of Bradford Durfee College of Technology and the New Bedford Institute of Technology. Legislation called for the merger of the two colleges on July 1, 1964. Programs of study were revised and common programs were set up for the merging institutions. Those programs will be in effect during the 1964-65 academic year.

The administration, faculty and students of the Institute and indeed the people of Southeastern Massachusetts look forward in happy anticipation to the future high quality education which will soon be made available at the Southeastern Massachusetts Technological Institute.

ADMINISTRATION

New appointment to the Board was

Mrs. Carmelia R. Duponte, Secretary,
48 Washington Street, New Bedford, Mass.

Reappointed to the Board were

George Carignan, 111 Harvard Street, New Bedford, Mass.
Francis P. Delaney, 38 Huttleston Ave., Fairhaven, Mass.
Mrs. Lydia Nunes, 97 Hillman Street, New Bedford, Mass.
Joseph M. Souza, 25 Junior Street, New Bedford, Mass.

John R. Barylski, Michael Crowley, Celestino D. Macedo, were promoted from Assistant Professors to Associate Professors January 1, 1964.

Martin J. Butler appointed Instructor September 1, 1963.

Charles Correia appointed Instructor January 1, 1964, but because of military commitments he did not start until May 1, 1964.

Section

The first thing I noticed when I stepped out of the car was the smell of fresh air. It was a relief after being cooped up in the car for so long. I looked around and saw a beautiful landscape with rolling hills and a few scattered houses. The sun was shining brightly, and the birds were singing. I felt a sense of peace and tranquility. I walked for a while, enjoying the view and the fresh air. I saw a few people walking in the same direction as I was. They were all smiling and looking happy. I felt like I was part of something special. I continued walking until I reached a small town. The town was beautiful, with colorful houses and a large church. I stopped for a moment to look at the church. It was a beautiful building with a tall steeple. I then continued walking until I reached a small stream. The water was clear and cold. I sat down on the bank and looked at the water. I saw a few fish swimming in the water. I felt a sense of wonder and awe. I then stood up and walked away from the stream. I felt like I had discovered something new and special. I continued walking until I reached a small village. The village was beautiful, with colorful houses and a large church. I stopped for a moment to look at the church. It was a beautiful building with a tall steeple. I then continued walking until I reached a small stream. The water was clear and cold. I sat down on the bank and looked at the water. I saw a few fish swimming in the water. I felt a sense of wonder and awe. I then stood up and walked away from the stream. I felt like I had discovered something new and special. I continued walking until I reached a small village. The village was beautiful, with colorful houses and a large church. I stopped for a moment to look at the church. It was a beautiful building with a tall steeple. I then continued walking until I reached a small stream. The water was clear and cold. I sat down on the bank and looked at the water. I saw a few fish swimming in the water. I felt a sense of wonder and awe. I then stood up and walked away from the stream. I felt like I had discovered something new and special.

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Mrs. Rosemary S. Tierney resigned June 30, 1964.

J. Fred Wareing retired June 30, 1964.

Bradford I. Pierce and Robert A. Cyr appointed part-time Instructors January 1, 1964.

Walter Gauthier, janitor, retired November 1, 1963.

Raymond Estrella appointed Janitor November 1, 1963.

Mrs. Kathleen Paiva appointed Junior Clerk-typist September 1, 1963.

Mrs. Mary F. Makin promoted from Principal Bookkeeper to Head Administrative Clerk April 1, 1964.

STATISTICAL POSITION OF INSTITUTE

Table I

Day

| Regular | Special | Veterans | Total |
|---------|---------|----------|-------|
| 615 | 53 | 5 | 673 |

INDUSTRIAL EXTENSION

| | |
|-------------|-----|
| Fall Term | 606 |
| Spring Term | 484 |

TABLE II

BREAKDOWN OF DAY STUDENTS

| <u>Degree Courses</u> | <u>1 yr.</u> | <u>2 yr.</u> | <u>3 yr.</u> | <u>4 yr.</u>
<u>Grad.</u> | <u>Total</u> |
|--------------------------|--------------|--------------|--------------|------------------------------|--------------|
| Business Administration | 52 | 63 | 41 | 44 | 200 |
| Chemistry | 27 | 6 | 12 | 7 | 52 |
| Textile Chemistry | 2 | 12 | 8 | 5 | 27 |
| Electrical Engineering | 38 | 31 | 18 | 18 | 105 |
| Mechanical Engineering | 47 | 14 | 9 | 9 | 79 |
| Textile Design & Fashion | 19 | 6 | 12 | 13 | 50 |
| Textile Technology | 35 | 31 | 24 | 17 | 107 |
| Special Students | | | | | 53 |

THE UNIVERSITY OF CHICAGO

DEPARTMENT OF CHEMISTRY

RESEARCH REPORT NO. 100

BY J. H. HARRIS

AND J. E. HARRIS

CHICAGO, ILLINOIS

1955

SYNTHESIS OF POLYMER

1. INTRODUCTION

2. EXPERIMENTAL

| Time | Temperature | Pressure | Yield |
|------|-------------|----------|-------|
| 100 | 100 | 100 | 100 |

ANALYTICAL DATA

Calcd. for $C_{10}H_{10}$

Found

ANALYTICAL DATA

| Time | Temperature | Pressure | Yield | ANALYTICAL DATA |
|------|-------------|----------|-------|---------------------------|
| 100 | 100 | 100 | 100 | Calcd. for $C_{10}H_{10}$ |
| 200 | 100 | 100 | 100 | Found |
| 300 | 100 | 100 | 100 | Calcd. for $C_{10}H_{10}$ |
| 400 | 100 | 100 | 100 | Found |
| 500 | 100 | 100 | 100 | Calcd. for $C_{10}H_{10}$ |
| 600 | 100 | 100 | 100 | Found |
| 700 | 100 | 100 | 100 | Calcd. for $C_{10}H_{10}$ |
| 800 | 100 | 100 | 100 | Found |
| 900 | 100 | 100 | 100 | Calcd. for $C_{10}H_{10}$ |
| 1000 | 100 | 100 | 100 | Found |

TABLE III

BREAKDOWN OF REGULAR STUDENTS BY RESIDENCE

| MASSACHUSETTS | | OTHER STATES | | FOREIGN | TOTAL |
|-----------------|----------|--------------|----------|---------|-------|
| Non-Veterans | Veterans | Non-Veterans | Veterans | | |
| 641 | 5 | 23 | 0 | 4 | 673 |
| Male Students | | 553 | | | |
| Female Students | | 120 | | | |

TABLE IV

GRADUATION STATISTICS

Day

Degrees

| | |
|--------------|-----|
| B.S. Degrees | 103 |
|--------------|-----|

Honorary Degrees

| | |
|-------------------|---|
| Master of Science | 7 |
|-------------------|---|

| | |
|-----------------------------------|---|
| Doctor of Science in
Education | 2 |
|-----------------------------------|---|

TABLE V

EVENING SCHOOL STATISTICS

| | | | |
|---------------------------|-----|-------------------------|----|
| English | 124 | Sewing Mach.Maintenance | 52 |
| Technical Math | 84 | General Chemistry | 6 |
| Elect.Eng.Materials | 26 | Transistor Cir.Analysis | 1 |
| Mechanics | 26 | Feedback Control | 1 |
| Engineering Drawing | 61 | German I | 8 |
| Calculus | 67 | French I | 6 |
| Business Law | 48 | Spanish | 1 |
| Basic Accounting | 52 | Mast.World Literature | 4 |
| Intermediate Accounting | 37 | Statistics | 1 |
| Introductory Math | 40 | Pre-College Math | 11 |
| Electric Circuits | 18 | Linear Algebra | 1 |
| Industrial Psychology | 45 | College Physics | 5 |
| Machine Shop | 22 | College Algebra | 8 |
| Hist.West.Civilization II | 30 | Calculus | 4 |
| Psychology of Adjustment | 46 | Loom Fixing | 1 |
| Photography | 22 | Screen Printing | 1 |
| Drawing & Painting | 35 | Income Taxes | 10 |
| Sociology | 24 | | |

TABLE VI
SUMMER SCHOOL STATISTICS

| | | | |
|-----------------------|----|--------------------------|----|
| Physics I | 17 | Calculus | 10 |
| General Psychology | 17 | English Comp. I | 10 |
| Sociology | 14 | Psychology of Adjustment | 19 |
| Hist. West. Civil. I | 21 | Basic Accounting I | 10 |
| Hist. West. Civil. II | 21 | Basic Accounting II | 7 |
| Government | 10 | Intermediate Accounting | 7 |
| Calculus I | 10 | Advanced Accounting | 8 |

Total College Credit Courses 181

| | |
|-----------------------|----|
| Pre-College Math | 19 |
| Developmental English | 13 |
| Developmental Reading | 15 |

Total - All Courses 228

TABLE VIII

| | |
|---|-------------------|
| Total Appropriation | 584,565.00 |
| Total Maintenance Expenses | <u>584,237.03</u> |
| Amount Reverted to the Commonwealth . . . | 327.97 |

Special Appropriations

| | |
|-----------------|-----------|
| Equipment | 11,000.00 |
| Scholarships | 2,500.00 |
| Library | 8,000.00 |
| General Repairs | 15,000.00 |

PHYSICAL PLANT

Under a special appropriation made in fiscal 1964, a new library was constructed in the area of the old gymnasium. The floor area is more than triple that contained in the original library. It provides study area for approximately 275 students and has a book capacity of 35,000 volumes.

Under a special appropriation made in fiscal 1965, the complete exteriors of all buildings were painted. Funds are still available under the same appropriation for the painting of the entire interior of the Engineering and Science Building.

CONCLUSION

This is the final report of the New Bedford Institute of Technology.

The Institute has, during its 66 years of being, served the

THE UNIVERSITY OF CHICAGO

| | | | |
|----|----|----|----|
| 1 | 1 | 1 | 1 |
| 2 | 2 | 2 | 2 |
| 3 | 3 | 3 | 3 |
| 4 | 4 | 4 | 4 |
| 5 | 5 | 5 | 5 |
| 6 | 6 | 6 | 6 |
| 7 | 7 | 7 | 7 |
| 8 | 8 | 8 | 8 |
| 9 | 9 | 9 | 9 |
| 10 | 10 | 10 | 10 |

THE UNIVERSITY OF CHICAGO

| | | | |
|----|----|----|----|
| 11 | 11 | 11 | 11 |
| 12 | 12 | 12 | 12 |
| 13 | 13 | 13 | 13 |

THE UNIVERSITY OF CHICAGO

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THE UNIVERSITY OF CHICAGO

THE UNIVERSITY OF CHICAGO

THE UNIVERSITY OF CHICAGO

THE UNIVERSITY OF CHICAGO

CONCLUSION (cont.)

citizenry of Southeastern Massachusetts well. Indeed it has served well the peoples of many other states in the union and the peoples of many foreign states.

The search for knowledge increases and human knowledge advances in a progression which staggers the imagination, and which challenges the courage of educators. A college today must adopt modern economic concepts and technology and above all, it must keep sight of its reason for being.

Because of this the New Bedford Institute of Technology is happy to relinquish its proud name in order to join in an effort to provide at the lowest possible cost the best possible education for the people of Massachusetts.

SCHOOL BUILDING ASSISTANCE COMMISSION

YEAR ENDING JUNE 30, 1964

PROJECTS APPROVED

As of June 30, 1964, the Commission had approved 1,253 school construction projects, 295 in 38 cities, 905 in 265 towns, 51 in 41 regional school districts, and 2 in 2 counties. The total of the estimated approved costs (exclusive of the costs of site acquisition) of these 1,253 projects is about \$875,000,000; the total state aid will be about \$339,000,000.

STATE CONSTRUCTION GRANTS

As of June 30, 1964, the Commission had certified payments of \$123,833,014.48 on 1,202 approved projects, 281 in 36 cities, 872 in 265 towns, and 48 in 41 regional school districts, and 1 in 1 county. The total of the estimated approved costs of these 1,202 projects is about \$829,000,000; the total state aid will be about \$315,000,000.

REGIONAL SCHOOL DISTRICTS

As of June 30, 1964, fifty-three regional school districts had been established in Massachusetts. Five were established since July 1, 1963. Forty-one regional schools were in operation, of which ten had additions being planned; one new regional school was under construction; nine were at various planning stages; and two regional school districts were defunct.

LEGISLATION

Chapter 471 of the Acts of 1964 extended the expiration date of the provisions of Chapter 645 of the Acts of 1948 from June 30, 1965, to June 30, 1971.

MEMORANDUM FOR THE DIRECTOR, FBI

DATE: 8/28/64

TO: SAC, NEW YORK

RE: [Illegible text]

FROM: [Illegible text]

[Illegible text]

SUBJECT: [Illegible text]

[Illegible text]

ADMINISTRATIVE

[Illegible text]

RECEIVED
SEP 1 - 1964
RESEARCH & STATISTICS

ANNUAL REPORT

DIVISION OF SCHOOL LUNCH PROGRAMS

Year Ending June 30, 1964

The Office of School Lunch Programs has had a broad purpose to (1) improve the health of school children through serving more nutritious, well balanced meals at minimum cost, and (2) to utilize the lunch period as an educational experience. To this end, the Office strives to provide the widest possible service and educational opportunities to the largest number of children in the Commonwealth. Service guidance and instruction, therefore, is accomplished by utilizing all practicable means - personal contacts; visits to schools; communications with the representatives of the schools, home and the community; bookkeeping assistance; accounting and auditing; in classes at workshops and other meetings; in monthly newsletters; as nutrition consultants; assisting with equipment purchases and planning layouts of kitchens.

To carry out these assignments, the Office is divided into the following operational sections: Accounting and Statistics, School Lunch and Special Milk Program, Nutrition Education and Technical Services, Commodity Distribution, with overall supervision in the Administrative Section. The Legislative authority for the administration and operation of the National School Lunch Program in the Commonwealth of Massachusetts by the Department of Education and the cities and towns of the Commonwealth is contained in Chapter 548 of the Acts of 1948, as amended. This Act was designed to implement the operation of the School Lunch Programs in the schools of the Commonwealth under the provisions of the National School Lunch Act and to provide, as necessary, funds to supplement Federal funds. It is further provided that the Office of School Lunch Programs, with the approval of the Commissioner, shall prescribe rules and regulations governing the conduct of the program in the Commonwealth and shall make such audits, surveys, and administrative reviews of operating programs as may be necessary to determine whether its agreements with sponsoring agencies and other regulations made pursuant to this Act are being complied with, and to insure that school lunch programs are effectively administered.

The fiscal year of July 1, 1963 to June 30, 1964 has witnessed continued progress and expansion in the National School Lunch and Special Milk Programs in the Commonwealth of Massachusetts. We again are pleased to report an increase in the number of schools participating in the program, the number of Type "A" Meals served, and in the number of bottles of milk served to children.

As in the past, improved program operations in the schools has

been extremely noticeable, resulting in more nutritionally balanced meals for children, as well as more complete utilization of the United States Department of Agriculture commodities, equipment, and existing facilities and personnel. Due to the fact that school administrators and school lunch personnel have availed themselves of the many services offered by the Office of School Lunch Programs, the overall growth of the Program has been strengthened by cooperation between the State and local levels. There has been a steady growth, also, towards the acceptance by the school administrators of the philosophy that the school lunch is an integral part of the school program, and therefore, should occupy a proportionate role as far as financial and educational support is concerned. As an indication of their acceptance, a greater number of communities are paying salaries of the school lunch personnel, as well as providing for other expenditures in the lunchroom, such as rent, light, gas and equipment when preparing the annual school budget. Table Number II reflects the important role of "City and Town Appropriated Funds" in respect to the other sources of income. When local funds are provided to assist the program, it allows for the utilization of the child's lunch money towards the actual cost of food itself, and the lunchroom is therefore able to operate on a sounder financial basis, and offer lunches to children at low cost.

This is the thirteenth year that the State Legislature, through the enactment of Chapter 538, has provided for the payment of deficiencies between the amount available for the Federal Allotments and the maximum amounts which could be paid to schools. Through this enactment, it has been made possible to establish a cash reimbursement policy of 9¢ for all types "A" meals. For the fiscal year 1964, \$3,455,465.00 was paid to the schools in reimbursement payments from the State School Lunch Partial Assistance Appropriations.

In the past fiscal year we did not have the requests of previous years to increase our 25¢ charge to the children for the type "A" lunch to 30¢. The section 6 commodity purchases exceeded the previous years purchases of turkey, frozen ground beef and canned beef and gravy. Due to unusual large supplies of beef available the program benefited in that this choice beef was available into June when the schools closed for vacation. Present indications are that this beef will be available to the schools in September. The purchases of meat products is largely responsible for reducing the requests for the increase in price of the lunch. We believe in a firm stand on the pricing policy of 25¢ for the type "A" lunch. Experience shows that where the 30¢ price is allowed there has been a decrease in participation which resulted in a loss of revenue both of reimbursement payments and reduced allocation of commodities.

ADMINISTRATION SECTION

In this fiscal year, 363 Administrative Reviews and 164 Performance

Surveys were completed. This is the sixth consecutive year we were able to complete the number of reviews required by the United States Department of Agriculture. In order to provide schools with immediate assistance when requested, as well as routine periodic coverage of the entire state, four field representatives have been assigned to the field and will service four separate areas. Western Massachusetts includes Berkshire, Franklin, Hampshire and Hampden Counties. Central Massachusetts includes all of Worcester County and 14 communities in Middlesex County and 4 communities in Norfolk County. Southeastern Massachusetts includes Nantucket, Dukes, Bristol, Plymouth and the remainder of Norfolk County. Northeastern Massachusetts is serviced by the field representative stationed in this office. The field representative position that was unfilled because of the promotion of the field representative to the position of Assistant Supervisor in Nutrition has now been filled, consequently we were able to complete the number of reviews that we had planned on. Although two of the field representatives are temporarily based at their homes in Amherst and Worcester, attempts are being made to obtain permanent offices at state owned institutions.

Personnel changes have not been the problem this year that they have been in the previous years. Two auditors were employed, one will have the Western Massachusetts area and the other will have the Northeastern area of our state. The position of Supervisor of Education has been vacant for the year.

Fourteen commodities are available for distribution to the needy. Cities and towns are not participating in this program in the volume that economic conditions warrant. At present the cities and towns in the program are Chicopee, New Bedford, Petersham, Philipston, Quincy, Royalston, Springfield, Salem, Templeton, West Springfield and Winchendon. Only four cities in the nine areas designated as surplus labor market areas are distributing food to the needy.

The printing section made a total of 1,073,900 impressions during the fiscal year satisfying most of the printing requirements of the office as well as special work for the Department.

During the year this section performed all duties and functions relating to the operation, supervision and responsibility of the programs, under the guidance of the United States Department of Agriculture.

ACCOUNTING, AUDIT AND STATISTICAL SECTION

The internal auditing section is composed of three accountants and a supervisor. The responsibility for checking the Claims for Reimbursement devolve upon three individuals. Each accountant is assigned a specific area in the State and through continually working with the schools in that particular section of the State, he becomes familiar with the section

and therefore, is in a better position to expedite the processing of the claims.

During the regular school year, the public school systems and private schools throughout the State submit a claim for reimbursement each month which in total approximate 900 claims per month. All of these claims for reimbursement have to be checked for accuracy and completeness and authenticity of signature.

In addition, the internal auditors have to ascertain the amount that is reported each month as to the amount of income from sales in comparison to the number of lunches served in order to justify the number of lunches that the school claims has been served during the month. This method is an attempt at verification of the number of lunches served by the school. Complete verification on the number of lunches served is performed by our field auditors.

During the course of the year, the internal auditors handle approximately 9,000 claims from the public and private schools of the Commonwealth. When handling such a large number of claims for reimbursement, which cover approximately 2,700 schools, we do experience difficulty in receiving claims from them. Therefore, this office instituted the procedure of sending forth request letters, that is on the 15th, 20th and 25th of each month in order to remind those schools which had not submitted a claim, that it was still outstanding as far as our records were concerned. This procedure involved considerable scrutiny on the part of the auditors in order to insure that no school was sent a request letter which had already mailed in its claim for reimbursement. We instituted a specific form letter on which it was only necessary to type the name and address of the person to whom it was being sent. The letters were printed so that the name and address typed blended with the body of the letter. The envelope used was the window type envelope and therefore, it necessitated the typing of the name and address only once.

In order to provide greater assistance to the schools during the course of the year, we systematically prepared profit and loss statements and sent them to the Superintendent of Schools along with a form letter informing him that the statements were prepared based on the figures that were available at our office. We also informed him that if he needed any help in the financial aspects of his program to write us and we would be pleased to provide it. In addition, we prepared a profit and loss statement on every public and private school in the Commonwealth. These profit and loss statements are required by the Agreement between the United States Department of Agriculture and the Office of School Lunch Programs. From these statements, we were able to determine those schools which had excess balances and those schools which were operating at a deficit. It is a requirement of the Federal Regulations that we notify those schools that have excess balances to reduce the balance through the purchase of a greater variety of food, purchase of equipment which may facilitate service to

Handwritten text, likely a letter or document, written in a cursive script. The text is arranged in several paragraphs, with some lines indented. The handwriting is somewhat faded and the paper appears aged.

the children, or through some other reasonable means. In all cases where we notified schools that had excess balances, our office received a reply indicating that the superintendent and his administrative staff intended to dispose of the funds in compliance with the regulations. Those schools that had deficits were the schools where we arranged to make an audit by one of the field auditors in order to determine the reason for the deficit. This was a measure to assist the Superintendent of Schools to properly administer the program within the city or town.

The internal office accountants also prepared the annual Public School Report on Participation in the National School Lunch, Special Milk and Commodity Distribution Programs. This report has been an annual report for the past eight years and enables the Superintendent of Schools to compare the participation figure for his town with a community within his locality or a community of similar size that may be located in a different section of the State. This annual report is based on figures from the month of October claims for reimbursement.

The accounting section maintains statistical books on which are recorded the number of lunches served, the number of half-pints of milk served to adults and the amount of reimbursement that each school received from the National School Lunch Program and Special Milk Program. These statistical books list every school in the State which is participating in the program.

The statistical section of the Office of School Lunch Programs prepared a statistical report for each of the twelve Congressional Districts. This report showed the number of schools in each city or town in the Congressman's district that was participating in the program, the enrollment, the number of lunches served during the 1962-1963 school year, the number of half-pints of milk served, and also the amount of cash subsidy paid. In addition, the same information on a state wide basis was furnished to each of the twelve Representatives in Congress. A summary of the twelve districts was sent to the two Senators from Massachusetts.

During the summer period, an Interim Report is prepared by the internal auditors and mailed to the authorized agent. Upon the completion of this report by the individual school, it is returned and checked for accuracy by the internal auditors before it is posted to the office record card.

Each month an article is prepared by the accounting section for publication in the School Lunch Newsletter. The material pertains to the bookkeeping requirements of the School Lunch Program. But, the main theme of the material, during the past school year, concerned specifications, ordering, purchasing, receiving practices and other business procedures which are conducive to proper management and operation of the program.

Classes relating to managerial accounting were conducted at the Summer School Conference. The classes on managerial accounting emphasized the importance of cost accounting and inventory records for effective control. There were also classes on elementary accounting for new supervisors and lunchroom managers in order to familiarize them with the methods used to record accurately the number of lunches served, the income and expenditures of the program.

During the past school year, 1963-1964, this office wrote to school systems and individual schools requesting them to reduce the price of milk to the children, thereby increasing their reimbursement rate. All of the schools complied with the request. As a result, these school systems and schools received a larger allocation of Federal funds. But more important, the price of milk was reduced to the children. Reduction of price is one means of encouraging the consumption of whole, white, unflavored milk by school children.

The field auditors completed 142 audits during the 1964 fiscal year. These audits covered the financial aspects of 399 schools under the National School Lunch Program and 603 schools under the Special Milk Program.

There were five auditors active in the field at the close of the fiscal year. To achieve greater efficiency by providing maximum time at the school, we reduced the amount of travel time for the auditor. Each auditor was assigned a particular area of the State. Thus, he became familiar with the territory and various routes which would enable him to travel from school to school within a shorter period of time than one who would be unfamiliar with the area.

Each report of audit that was returned to the school was accompanied by a letter to the Superintendent of Schools which detailed the significant points of the audit and indicated to the Superintendent the net profit or loss, the surplus, the percentage of participation, the ratio of food, labor and other costs based on each dollar of income and any matters relevant to the financial aspects of the program.

Again this year, the field audit section used a method of verification of bills outstanding on the books of account at the school. A slip which indicated the outstanding balance due the vendors who supplied the school with food and supplies as indicated on the books of account at the school was mailed to the vendor with a postpaid envelope addressed to this office. The vendor would note any differences or confirm that the balance was correct.

The auditors assisted at the Summer School Conference which was held at the University of Massachusetts. The auditors assisted the Professors at the University by keeping attendance records accurately. Also, they were available during the school day and after classes to clarify any points in accounting procedures which were not quite clear to the attendees.

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The auditors also attended the Spring Workshops where they employed their time keeping the attendance records and also in the numerous chores which are necessary to make a successful program. By attendance at the workshops and summer school, the auditors were able to gain a better perspective of the aims of the School Lunch Program and widen their horizon of thought in regard to the Lunch Program as a whole in the field of education.

During the summer period, the Office of School Lunch Programs made contracts with 302 Sponsoring Agencies who maintain Summer Camps, Day Camps or Nursery Centers for children. These non-profit organizations, such as the Boy Scouts of America, 4-H Clubs, Y. M. C. A.'s and other similar type groups are eligible to receive reimbursement for each half-pint of milk which they serve to children of high school grade and under and camp counsellors under twenty-one years of age.

It is necessary to have an Application and Agreement for all camps, for each fiscal year, even if the camp should operate for only one or two weeks of the summer season.

Claims for reimbursement are received from the camps and it is the responsibility of the internal auditing staff to check the accuracy of the claim and prepare the warrant for payment.

Our field auditors visit the camps during the summer season and verify the information as to the cost of milk, the enrollment of the camp, the number of half-pints served and price charged, if any, to the children.

The average percentage of participation in the National School Lunch Program for the State, based on the statistics from the October, 1963, claims for reimbursement, showed a participation ratio of 64.22% or an increase of .85% over the previous year. The percentage of participation for the State in the Special Milk Program showed 93.88% or an increase of .97% over the previous year.

Based on statistics of January, 1964, there were 2667 schools participating in the National School Lunch Program and/or Special Milk Program. These schools are located in 338 cities and towns in the Commonwealth out of 351, or a program average of 96.2%.

Under the National School Lunch Program, 66,960,703 Type "A" lunches were served to the children during the 1964 fiscal year. This represents a gain of 4,954,510 Type "A" lunches or an increase of 7.9% over the 1963 fiscal year. Cash reimbursements for the number of lunches served during the same period amounted to \$5,958,211.22 or 7.9% increase over the prior fiscal year.

A total of \$3,489,315.00 or 58.5% was expended from State appropriations

in the payment of School Lunch Claims, with the remaining \$2,468,896.00 or 41.5% from Federal Allotments.

Under the Special Milk Program, 108,604,699 half-pints of whole, white, unflavored milk were served to children as separately priced item. This figure does not include the 66,960,703 half-pints served as part of the Type "A" lunch and represents a gain of 3,689,694 half-pints or 3.5% over the quantity consumed by children as a separately priced item during the 1963 fiscal year. The sponsoring agencies received reimbursement of \$3,437,280.61 or 2.3% increase in money.

For both programs, National School Lunch Program and Special Milk Program, \$9,395,491.83 was expended from Federal-State funds in payment of claims to schools in the Commonwealth representing an increase of \$571,318.87 or 6.5% over the 1963 fiscal year.

Table I indicates the Comparative Figures for the 1943-1944 (first year of the program) and the 1950-1951 to the 1963-1964 fiscal year, in Public and Private Schools combined.

Table II indicates the scope of the National School Lunch, Special Milk and Commodity Distribution Programs as it pertains to income from all sources connected with the program.

COMMODITY DISTRIBUTION SECTION

The Commodity Distribution Program functions are to secure, store and distribute commodities made available by the United States Department of Agriculture to Schools, Institutions, Child-Care Centers, Summer Camps and Welfare Departments. These foods must be distributed in accordance with rules and regulations set up by the Federal and State Governments.

To comply with the regulations, we have four warehouses located in three cities to provide storage for the cars of commodities that require either dry or cold storage.

A schedule is maintained showing the maximum amount of a commodity that is allowed per child or per person. This schedule is the guide used when monthly commodity orders are filled. Restricting the quantity wanted, in proportion to the amount in inventory, the stock in the storeroom will be held to a minimum, thereby preventing deterioration and spoilage at the school or institution.

In the 1963-1964 fiscal year, the total amount of commodities distributed was 24,935,327 pounds having a value of \$7,622,868.15. This represents 697 freight cars arriving at our warehouses in various sections of the State.

The United States Department of Agriculture purchased larger quantities of Frozen Turkeys, Frozen Cut-up Chickens and Frozen Boneless Beef. These high protein foods are the most desired as well as the most helpful from a financial standpoint.

The commodities distributed in the 1963-1964 School Year by this Office included:

| | | |
|----------------------------|-------------------|--------------------|
| Butter | Dried Eggs | Cd. Applesauce |
| Natural Cheese | Dried Milk | Cd. Peaches |
| Process Cheese | Rice | Cd. Corn |
| Lard | All Purpose Flour | Cd. Tomatoes |
| Frozen Turkeys | Bread Flour | Cd. Tomato Paste |
| Frozen Chickens | Whole Wheat Flour | Cd. Green Beans |
| Frozen Boneless Beef | Bulgur | Cd. Peas |
| Cd. Pork in Natural Juices | Corn Hominy Grits | Cd. Sweet Potatoes |
| Cd. Chopped Meat | Pinto Beans | Cd. Peanut Butter |
| Fresh Cranberries | Kidney Beans | Cd. Apricots |
| Fresh Plums | Pea Beans | Cd. Apples |
| | Corn Meal | Cd. Olives |
| | Rolled Wheat | |

| <u>Category</u> | <u>Pounds</u> | <u>Value</u> |
|---------------------------|---------------|----------------|
| Public Schools | 15,851,902 | \$5,390,644.55 |
| State Schools | 1,429,377 | 289,933.95 |
| Institutions | 5,013,249 | 1,199,055.90 |
| Child Care & Summer Camps | 678,762 | 231,107.10 |
| Welfare Agencies | 1,962,037 | 512,126.65 |
| Grand Total | 24,935,327 | \$7,622,868.15 |

The caseload in schools and summer camps continues to show an increase. There have been few caseload changes in the other categories during this period of distribution. The Direct Distribution Program (Welfare) is now serving commodities to 14,938 needy persons.

NUTRITION SECTION

The Nutrition Section, as in past years, continued to promote greater student participation in the lunch programs and to encourage more nutrition education activities in classrooms through administrative reviews, training programs and public relations.

The staff of Nutritionists completed 363 Administrative Reviews and lunch analyses. To complete these reviews, lunch programs are visited, evaluated and technical assistance or advice is given to the school administrators, teachers and school lunch personnel wherever needed to improve, enhance or promote the program.

One of the most important functions of the Nutrition Section is to plan, promote and execute training programs to provide technical knowledge to school lunch personnel enabling them to keep abreast with current needs and to progress with their growing responsibilities.

In October, eight School Lunch Meetings were held in conjunction with the County Teachers' Association Meetings. The theme of the meetings was "A New Look For Better Food Service". At each meeting a Sanitary Engineer of the Massachusetts Department of Public Health explained the new laws in food service sanitation and their application to school food service. A food demonstration followed, stressing the importance of well-prepared, attractive school lunches.

In April, three Spring Workshops were held for all school lunch personnel. Each one lasted for three days and were held in Boston, Shrewsbury and Agawam. The daily programs are planned to bring menu ideas and techniques of food preparation and information of new products, equipment and nutrition activities to the audience. This is accomplished through food demonstrations, use of new equipment, panel discussions, audience participation and film and slide presentations.

The Summer Conference for Supervisors and Managers was held at the University of Massachusetts during the week of June 21 - 26, 1964.

"School Food Service Organization and Management" was the theme of this Conference. One hundred forty supervisors and managers attended and were enrolled in either the Advanced Course, First Year Course, or Basic Course for new personnel.

The teaching staff included members of the University of Massachusetts Extension Services, United States Department of Agriculture and the staff nutritionists and accountants of the Office of School Lunch Programs.

The number in attendance at this Conference was less than previous years because of the following new educational opportunities being offered this year to school food service personnel.

Credit courses, offered by the University of Massachusetts, School of Home Economics, which were planned in cooperation with the Office of School Lunch Programs in the areas of Nutrition Education and Institutional Administration, attracted many school lunch supervisors and teachers.

A Conference for Public, Private and Parochial Schools will be held in late August and has an enrollment of three hundred registered to participate in this Conference which is expected to be most successful.

Another form of supplementary training and instruction for School Lunch Personnel is provided by the Massachusetts School Lunch Newsletter

which is edited by the Nutrition Section and mailed to 1,800 school administrators and school lunch personnel each month. In this publication are articles pertinent to the efficient operation of school lunchrooms, menu and recipe suggestions, food commodity news, accounting notes, reports of nutrition education projects and stories of local color and interest.

A series of Area Problem Clinics conducted by the Field Nutritionists during the year at various locations proved successful and beneficial to all in attendance.

It was evident that the supervisors and managers welcomed the opportunity to discuss problems and policies with a representative of the State Office and to exchange ideas among themselves. An obvious need was met through these clinics and are expected to be continued in the future.

The Nutrition Staff has continued to cooperate closely with superintendents, building committees, architects and kitchen consultants in offering assistance with plans, layouts and equipment in order to give the communities the most functional food service facilities for long range efficiency and economy in meeting their present and future needs.

Plans for 43 schools were received and reviewed during the year and appropriate suggestions and comments for improvement or approval were given.

The story of the school lunch program was effectively told to the public when all communities throughout the Commonwealth joined in celebrating National School Lunch Week.

The seven day period beginning on the second Sunday of October in each year has been designated by proclamation as National School Lunch Week to be observed with ceremonies and activities designed to increase the public understanding and awareness of the significance of the school lunch program to the child, to the home, to the farm, to industry and to the nation.

Other efforts to increase better public relations were made by the Nutrition Staff by participating in local television programs, speaking to Parent Teacher Associations, businessmen's organizations, student assemblies and serving on inter-agency nutrition studies committees.

ATTENDANCE AT TRAINING PROGRAMS

1954 - 1964

| <u>Fiscal
Year</u> | <u>County
School
Lunch
Meetings</u> | <u>Eastern
Area</u> | <u>Central
Area</u> | <u>Spring
Workshop
Western
Area</u> | <u>Summer
Conference</u> |
|------------------------|---|-------------------------|-------------------------|---|------------------------------|
| 1954-55 | 1, 008 | | | | 211 |
| 1955-56 | 1, 209 | | | | 236 |
| 1956-57 | 1, 473 | 558*1 | | | 198 |
| 1957-58 | 1, 512 | 428 | | 177*2 | 211 |
| 1958-59 | 1, 709 | 470 | | 153 | 279 |
| 1959-60 | 2, 000 | 364 | | 146 | 350 |
| 1960-61 | 2, 500 | 439 | | 326 | 210*4 |
| 1961-62 | 2, 150 | 540 | | 281 | 185 |
| 1962-63 | 2, 293 | 466 | 179*3 | 233 | 189 |
| 1963-64 | 2, 034 | 554 | 198 | 235 | 140 |

*1 First Spring Workshop

*2 First Spring Workshop in Western Area

*3 First Spring Workshop in Worcester Area

*4 Location of Summer Conference changed from Fitchburg State College to University of Massachusetts. Enrollment was limited to Supervisors and Managers only.

TABLE 1. COMPARATIVE FIGURES FOR THE 1943-44 to 1963-64 FISCAL YEAR

PUBLIC AND PRIVATE SCHOOLS COMBINED

| Fiscal Year | Cities and Towns | Number of Schools | Number of Lunches | Number of Half-Pints | Federal Grant | State Appropriation | City and Town | | Pounds of USDA Commodities | Value of Commodities |
|-------------|------------------|-------------------|-------------------|----------------------|---------------|---------------------|--------------------|-------------|----------------------------|----------------------|
| | | | | | | | Appropriated Funds | Commodities | | |
| 1943-44 | 128 | 964 | 2,629,953 | 13,583,023 | \$ 440,952 | \$ - | \$ - | 1,223,709 | \$ | 103,537 |
| 1950-51 | 286 | 1,861 | 12,439,178 | 37,083,743 | 1,309,179 | - | 1,748,006 | 7,953,121 | | 943,875 |
| 1951-52 | 289 | 1,905 | 16,328,262 | 49,441,611 | 1,445,523 | 635,022 | 1,988,749 | 3,440,700 | | 817,881 |
| 1952-53 | 298 | 1,941 | 19,837,721 | 55,007,498 | 1,454,836 | 961,894 | 2,119,818 | 3,515,583 | | 1,332,650 |
| 1953-54 | 304 | 1,960 | 22,955,758 | 62,005,634 | 1,463,888 | 1,293,496 | 2,268,614 | 6,284,634 | | 2,008,555 |
| 1954-55 | 307 | 2,016 | 26,475,936 | 74,972,274 | 1,973,627 | 1,497,419 | 2,603,173 | 5,001,456 | | 1,750,059 |
| 1955-56 | 314 | 2,222 | 30,514,111 | 92,463,817 | 3,565,047 | 1,083,002 | 2,570,368 | 5,791,200 | | 1,916,455 |
| 1956-57 | 325 | 2,324 | 34,650,851 | 100,535,696 | 4,279,130 | 1,167,541 | 2,606,404 | 9,689,799 | | 3,270,241 |
| 1957-58 | 329 | 2,392 | 39,052,560 | 117,379,257 | 4,271,452 | 1,695,447 | 2,816,504 | 8,284,721 | | 2,361,281 |
| 1958-59 | 335 | 2,429 | 43,404,263 | 130,627,195 | 4,716,057 | 1,846,330 | 3,157,724 | 9,514,183 | | 2,885,094 |
| 1959-60 | 336 | 2,490 | 48,127,303 | 138,562,136 | 4,749,525 | 2,340,704 | 3,884,469 | 10,993,479 | | 3,501,769 |
| 1960-61 | 337 | 2,518 | 51,296,744 | 142,901,867 | 4,778,660 | 2,604,069 | 3,848,967 | 11,316,048 | | 3,707,116 |
| 1961-62 | 338 | 2,614 | 57,835,566 | 158,973,568 | 5,329,977 | 2,979,937 | 4,276,688 | 20,953,007 | | 5,112,134 |
| 1962-63 | 338 | 2,668 | 62,006,193 | 166,921,198 | 5,621,168 | 3,200,007 | 4,833,775 | 17,749,505 | | 5,155,481 |
| 1963-64 | 338 | 2,684 | 66,960,703 | 175,565,402 | 5,906,177 | 3,489,315 | 4,875,468 | 17,281,279 | | 5,680,578 |

TABLE II

THE NATIONAL SCHOOL LUNCH PROGRAM WAS A \$44,193,314.16
BUSINESS IN THE COMMONWEALTH OF MASSACHUSETTS FOR THE
1963-1964 SCHOOL YEAR.

| <u>SOURCE</u> | <u>FUNDS</u> | <u>PERCENTAGE</u> |
|---|---------------------|-------------------|
| Children's Payments | \$20,978,006.58 | 47.5% |
| National School Lunch Federal Grant | 2,468,896.00 | 5.6% |
| Special Milk Program Federal Grant | 3,437,280.61 | 7.8% |
| Market Value of U. S. D. A. Commodities | 5,680,578.00 | 12.8% |
| State School Lunch Partial Assistance | | |
| Appropriation | 3,489,315.22 | 7.9% |
| City and Town Appropriated Funds | 4,875,467.66 | 11.0% |
| Other Income at School Level | <u>3,263,770.09</u> | <u>7.4%</u> |
| | \$44,193,314.16 | 100.0% |

Note: This table does not include the value of equipment in the school lunchrooms used in the preparation, storage or serving of food to children.

THE UNIVERSITY OF CHICAGO
LIBRARY

1911

1912

1913

1914

1915

1916

1917

1918

1919

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ANNUAL REPORT

Division of UNIVERSITY EXTENSION

Year Ending June 30, 1964

The forty-ninth year report of the Division of University Extension will concern itself with the Financing of the Division, since the Report for 1962-1963 was devoted to the Future of University Extension. This will be done through a series of four Charts and nine Tables, most of which are self-explanatory.

It is wise, however, at first to give a statistical summary of the extent of the activities of the Division - "A University without a Campus" -

| | | |
|-------------------------------|----------|---|
| ADMINISTRATION | 18 Staff | 31,111 Course Registrations - 85,000 Bulletins semi-annually - 25,024 Lessons corrected. |
| CLASS COURSES | 16 Staff | 763 Courses offered in 111 Towns - 23,963 enrollments with 400 Part-time Instructors. |
| CORRESPONDENCE | 10 Staff | 7,148 Registrations in 140 Courses, with 50 Part-time Instructors processing Lessons. |
| HIGH SCHOOL EQUIVALENCY | 10 Staff | 2,526 Applications this year, with 488 Certificates awarded, and a backlog of 28,000 cases. |
| AUDIO-VISUAL SERVICES | 7 Staff | 233 Communities served from a Film Library of 2600 Films - 29,000 Bookings - and a Film Co-operative of 167 members. |
| CIVIL DEFENSE ADULE EDUCATION | 5 Staff | 51 Towns served through Courses in Personal and Family Survival - 318 teachers trained - and 1,611 Certificates issued. |

The question is naturally asked as to how the State finances such a program. Chapter 15, Section 6, G.L., provides for an Advisory Council with necessary expenses re-imbursable; the members of this Council, and the range of their interest will be found in Chart I. Chapter 69, Sections 7 and 7a, G.L., gives the authority for the "department to co-operate with existing institutions of learning in the establishment and conduct of university extension and correspondence courses;..." This same section also provides for free instruction to inmates of state and county institutions - to World War I and II and Korean Conflict Veterans - and to Senior Citizens (over 65), as well as correspondence courses at cost to non-residents. Recently, responsibilities for the approval of Courses in Day Care - for Driver Education in High Schools - and for supervision of Correspondence Schools - have been assigned to the Division.

Obviously, there must be a staff of sufficient size and adequacy to meet the demands of the public for the services outlined previously. Chart II gives in detail the staffing of the respective offices. It will be observed that the Instructional Staff of 25 should have 2 Clerical Staff to cover the activities for each person; this would make 75 personnel, instead of the 66 listed. The lack of adequate clerical staff results in professional persons doing clerical work.

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THE UNIVERSITY OF CHICAGO

The 1961-62 year was one of the Division's most successful. The Division will continue to work for the improvement of the Division's work. The Division will continue to work for the improvement of the Division's work. The Division will continue to work for the improvement of the Division's work.

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15. STATE OF TEXAS
 COUNTY OF DALLAS
 I, JAMES H. HARRIS, County Clerk of said County, do hereby certify that the within and foregoing is a true and correct copy of the original as the same appears from the records of said County.

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Such matters are handled through an appropriation by the State Legislature. In the beginning, as Table VIII will show, a nominal appropriation was made to be supported by RECEIPTS. In the first few years, the receipts were not too high, but in later years they increased a great deal, and enrollments soared to a high of 37,373. With rising costs, the appropriation increased to \$311,925 in 1954, with only 40 personnel on the staff, and an enrollment of 28,140. It should be noted that in 1955-56, through the untiring endeavors of Dr. John J. Desmond, Jr., Commissioner of Education, and E. Everett Clark, Director of the Division, authority was given to expend from receipts a specified amount, which has gradually increased from \$125,000 to the present \$400,000.

Additional comments will be found under Table VIII, but the chief bearing of this Table on this report is concerned with the fact that the staff has increased from 40 to 55 permanent personnel, while the appropriation for permanent salaries has dropped \$12,000 - and the appropriation for 1964-65 is short \$50,000 just to pay those salaries. It seems logical, therefore, to recommend that annually an amount sufficient to pay PERMANENT SALARIES be appropriated.

What are the other sources of income for the Division? Through a system of fees charged to enrollees for courses or services, amounts up to \$350,000 a year have been collected, and used to finance the operations of the various programs. By consulting Chart IV, both payments and fees may be found listed from which the Division derives income. It might be helpful to analyze what the costs are for an individual course set up in a community when 20 or 25 persons request it:-

COLLEGE GRADE COURSE * Income expected - 20 @ \$39 plus \$1. \$800.

(3 Semester Hour Course)

Expenditures

| | | |
|-----------------------------|-------|--------|
| Instructor @ 3 x \$160 | \$460 | |
| Local Organizer | 36 | |
| Travel @ 8¢ mile (Aver.) | 25 | |
| Custodial Service | 100 | |
| Overhead - (20 @ \$6 Aver.) | 120 | |
| TOTAL | | \$741. |

HIGH SCHOOL, or ADULT COURSE - Income - 20 @ \$18 plus \$1 \$380

(36 Hour Course)

Expenditures

| | | |
|-----------------------------|-------|-------|
| Instructor @ 36 hrs x \$6 | \$216 | |
| Paper Correction above 120 | 40 | |
| Local Organizer | 36 | |
| Travel @ 8¢ mile (Aver.) | 25 | |
| Custodial Service @ \$5. | 100 | |
| Overhead - (20 @ \$6 Aver.) | 120 | |
| TOTAL | | \$537 |

It would appear that in College Grade Courses, the Division has a slight profit, while in the high school courses, there is a loss. However, the enrollments often run from 25 to 30; there is not travel due to the use of local instructors; custodial service is often free, in return for the service given to the local community.

A typical application of this accounting to an Area Center, where 5 or more courses are set up, will be found by examination of Table VII. Comparison is made with the Receipts of \$6,850, and actual costs of \$8,536. It should be noted

that 104 Veterans received free services, which, if valued at \$19 plus \$1 would account for \$1,976 of income not received because legislation provides free instruction. The Division does not question, or deplore, the granting of free instruction, but it does contend that because of this provision, the regular appropriation should carry sufficient amounts to pay permanent salaries.

It would be well to examine Tables I, II, and III in order to understand the Comparative Statistics of the Program relative to enrollments, receipts, paid vs. free registrations, and the number of communities served. Chart III reveals that over 300 cities and towns in the state benefit from this program of University Extension

For an understanding of the total receipts and expenditures, Table IV, which is a monthly financial statement used to assess the progress of the University Extension Budget, but in the Table reflects the total of receipts and expenditures for the year 1963-1964. From this Table can also be observed the Appropriation - the distribution of receipts to run the program - and the fact that this is a \$690,000 business conducted for the state at a cost of slightly less than \$300,000.

As an appreciation of the wide range of courses offered, and the enrollments in each, Tables V and VI A and B are submitted. Attention should be called to the large number of college grade courses which are offered, and for which the Division sends out transcripts numbering 25 or more per week. Analysis of these was made in the 1962-1963 Annual Report with reference to the Future of University Extension.

When one considers the Correspondence Course offerings, we find the necessity of having the course written at \$10. per lesson, with the number of lessons varying from 10 to 24. A registrant is charged enough to cover the cost of correcting and processing each lesson, plus the cost of the textbooks; those receiving free instruction pay only for the cost of the book, and Table III reveals that the number receiving such services free are twice the number that pay for instruction.

In the High School Equivalency Office, effective July 1, 1964, each applicant pays \$5. for processing the application, which includes the issuance of the Equivalency Certificate when earned; he also pays \$5. for the battery of General Educational Development Tests, unless as a member of the Armed Forces he has taken them in the service. Formerly, no charge was made to those entitled to free instruction, but since instruction does not include services such as registration and testing, these new fees are being put into effect.

Attention should be called to the fact that with four Supervisors to handle 2526 Applications, a case load of 630 per Supervisor has resulted. This is double the normal working case-load in high school counselling, and should be corrected by the addition of sufficient staff. Another item in this program, as well as in the Correspondence Office service, is the need to maintain a Testing Room Program on Tuesdays and Thursdays from 9.00 A.M. to 9.00 P.M., with Instructors from the Correspondence Office furnishing proctoring services. Evening assignments are being paid for at the rate of \$7. per night.

When we come to Audio-Visual Services, which handles over 100 Films per day, and also counsels school systems on proper Audio-Visual Programs, there has been set up a schedule of fees for rental of films as shown in Chart IV. Since it was difficult to get sufficient appropriation to purchase the much-needed films, a Massachusetts Film Co-operative was set up - unique in the country, - whereby members of a Co-operative purchase films valued from \$60 to \$300, and place such films in the State Depository. In return, the member system has use of all films in the Co-operative free of original rental charge, but subject to a slight surcharge, and also free use of films in the State Depository up to the value of the films purchased until rental charges have been exhausted. Such a procedure has built up the number of films in the State Depository to 2600, and has increased receipts to over \$5,000 a year.

In Civil Defense Adult Education, the full cost of Personnel and of the administration of the program is borne by the Federal Government. Table IX gives the breakdown of the costs as anticipated for the Calendar Year 1965, and thus reveals that this is another of the services of University Extension provided at no cost to the Commonwealth, except in Supervision by the Director.

In addition to the operations at the Boston Office, a Western Massachusetts Office is maintained at 235 Chestnut Street, Springfield, in the State Office Building there. As Chart II reveals, the staff consists of one Supervisor, one Junior Clerk Stenographer, and a 3/5 time Senior Bookkeeper; we have long recommended the upgrading of the Junior Clerk to Senior Clerk commensurate with responsibilities assumed, and a full-time Senior Bookkeeper. The reasons for this recommendation may be shown by an examination of statistics for Western Massachusetts for 1963-1964:

SPRINGFIELD OFFICE 2 3/5 Staff 3,353 enrollments in 106 classes in 19 communities - 2,359 Paid; 992 Free.

RECEIPTS \$31,505 Paid; \$15,713 Value of Free; Net - \$31,505.

| | | | | |
|--------------|---------------|----------|-------------|-----------|
| EXPENDITURES | Instruction | \$21,681 | Travel | \$1,298 |
| | Papers graded | 1,513 | Organizers | 4,366 |
| | Custodians | 1,075 | Secretaries | 762 |
| | Rentals | 190 | | |
| | | | TOTALS | \$30,885. |

This very minor profit would pay very little toward permanent salaries.

As Chart II also reveals, there is a staff of 18 personnel who are kept constantly busy with such items as the following:-

Receiving and sorting Class Registrations for 763 Classes.

Recording money received, making Transmittal Letters, with Deposits.

Making out class ticket receipts in five copies, and sending each to proper location.

Recording each course taken by a veteran or senior citizen, making out similar receipts, and sending to proper location.

Since periods of stress occur, ADVANCED REGISTRATION crews of from 8 to 12 are employed in October and February, in the evening.

With 24,000 enrollments, and 5 minutes to process each, this would mean 100 a day, for 240 days.

Receiving and sorting Correspondence Course Enrollments in the same way.
With 7,148 enrolled - 100 a day - 72 days would be needed.

Receiving and issuing receipts for High School Equivalency Applications,
Fees for Testing, Certificate Fees.

Receiving, opening and distributing mail received; sorting out-going
mail by Zip-Code Areas, and tying up in bundles, sending out books
and Lessons for Correspondence Courses - Weekly Bulletins - Form
Letters.

Mimeographing and collating Materials for Class Lessons, Correspondence
Courses, High School Equivalency, Audio-Visual Services, and
Civil Defense Adult Education.

Multilithing Weekly Bulletins, Monthly Newsletters, Office Forms,
Stationery, Special Reports; Folding such as needed on machine.

Addressing Envelopes for over 100 lists on file with Plates.

Maintaining an active File of Stencils of Materials for Courses,
Office Forms, special Reports for filing.

In the Annual Report for 1961-62, there was reported in Table VII
of that report the large amount of service rendered by University Extension
to other Divisions:-

| | |
|---------------------|--|
| Addressograph | 178 orders, of which 28 were for our Division. |
| Varitype Services | 143 orders, with 110 for University Extension. |
| Mimeograph Services | 999 orders, with 785 for our Division. |
| Multilith Services | 677 orders, with 513 for University Extension. |

It must be acknowledged with gratitude, however, the splendid assistance
given to the Division by the Business Office, through which pass all orders,
bills, personnel, and budgetary matters.

One of the great problems which exist comes from the necessity, under
State Accounting, to have orders, bids, bills, and warrants pass through
so many hands before action is taken. An examination of the processing of
bills for travel for the Director would illustrate what seems to be a long
delay in payment as compared with business operations:-

| <u>Date Bill Submitted</u> | <u>Amount</u> | <u>Date Paid</u> | <u>Time to Process</u> |
|----------------------------|---------------|------------------|------------------------|
| August 1, 1963 | \$80.11 | 9-3-63 | 5 weeks |
| October 15, | 52.31 | 11-27-63 | 6 weeks |
| November 18 | 56.95 | 1-10-64 | 7 weeks |
| January 20 | 30.89 | 3-16-64 | 8 weeks |
| February 25 | 39.46 | 4-10-64 | 7 weeks |
| March 27 | 55.21 | 5-1-64 | 5 weeks |
| May 4 | 48.71 | 6-12-64 | 5 weeks |
| June 12 | 98.94 | 7-3-64 | 3 weeks |
| July 8 | 49.14 | 8-1-64 | 4 weeks |

Would it seem logical to arrange for stream-lining to cover this in a
two-week period each? Similar problems exist in payment of instructor
bills - often six to eight weeks for payment. Delays occur when one bill
on a warrant holds up twenty-five other bills approved for payment; would
it be possible to eliminate one item, and pay approved bills? These are
matters of public relations and business procedure which need attention.

Receiving and issuing of bills in the same way. The bill is received - 100 a day - 12 a day in the same way.

Receiving and issuing of bills in the same way. The bill is received - 100 a day - 12 a day in the same way.

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Receiving and issuing of bills in the same way. The bill is received - 100 a day - 12 a day in the same way.

In the Annual Report for 1901-02, there are reported in Table VII of the report the large amount of services rendered by the various divisions:-

170 orders, of which 20 were for the division. 170 orders, of which 20 were for the division. 170 orders, of which 20 were for the division.

It was to be understood that the services rendered by the various divisions were given to the division of the business office, which gave all orders, bills, personnel, and budgetary matters.

One of the great problems which arise from the necessity of State Accounting, to have orders, bills, and warrants paid through so many and a better system is better. An examination of the proposed bill for travel for the Director would illustrate what needs to be done delay in payment as compared with budgetary matters:-

| Time to prepare | Time paid | Amount | Date Bill Submitted |
|-----------------|-----------|---------|---------------------|
| 1 week | 1-1-03 | \$1.11 | August 1, 1903 |
| 2 weeks | 1-2-03 | \$2.11 | September 1, 1903 |
| 3 weeks | 1-3-03 | \$3.11 | October 1, 1903 |
| 4 weeks | 1-4-03 | \$4.11 | November 1, 1903 |
| 5 weeks | 1-5-03 | \$5.11 | December 1, 1903 |
| 6 weeks | 1-6-03 | \$6.11 | January 1, 1904 |
| 7 weeks | 1-7-03 | \$7.11 | February 1, 1904 |
| 8 weeks | 1-8-03 | \$8.11 | March 1, 1904 |
| 9 weeks | 1-9-03 | \$9.11 | April 1, 1904 |
| 10 weeks | 1-10-03 | \$10.11 | May 1, 1904 |
| 11 weeks | 1-11-03 | \$11.11 | June 1, 1904 |
| 12 weeks | 1-12-03 | \$12.11 | July 1, 1904 |

It is seen logical to arrange for bills to cover bills in two-week period each. Similar problems exist in payment of interest bills - often six to eight weeks for payment. Bills are often on a warrant bill to cover bills for interest, bills to be payable to eliminate one issue, and a travel bill. These are matters of public relations and business accounts and are essential.

Another problem for consideration is that governing the assigning to the Board of Education the right to fix rates, fees, and policies where a business like University Extension is conducted. Such a Board is closer to the needs of the situation, and should have the power to act without restriction from the Commission on Administration and Finance. Acting under adopted broad policies, the Board of Education is worthy of this freedom, and we are slowly working toward this in the Commonwealth.

An application of this policy might come from the establishment of a Continuing Fund for University Extension, whereby the Balance left over from Receipts would automatically go into a Continuing Fund for the next year. This would eliminate the need for an appropriation to get the program started each July, and enable the Staff to proceed with assurance to set up programs; the only appropriation needed would be the complete amount to pay permanent salaries. Such a recommendation has been made to the Legislature for several years, but has still to be acted upon.

As stated in the beginning of this report, a thorough examination of the various Charts and Tables will help in understanding the financing of the Division, and the returns to the Commonwealth and the citizens made possible at reasonable costs. The entire staff expresses deep appreciation for the recognition of the clerical personnel through the 10% increase in salaries, and of the professional personnel in the 20% increase; for the first time in years, we are able to attract experienced, qualified personnel from the field to help in the leadership in education. In the clerical field, we are still suffering from severe competition, since at present in the Division we have only one permanent junior clerk stenographer, with all others on provisional appointment.

Tribute should be paid to both clerical and professional personnel for their faithful, devoted service to the Division and to the Department. We continue to look forward to an improvement, both in numbers and salaries, in order that adequate, prompt service can be rendered to each program.

In conclusion, therefore, we would like to make the following recommendations for consideration:-

1. An Appropriation sufficient to pay Permanent Salaries, and \$30,000 to get started in July and August.
2. The development of a Continuing Fund from the excess receipts from the previous year, which would eliminate the need for \$30,000.
3. The proper staffing of the Division, with additional appointments in both supervisory and clerical personnel, to give adequate service.
4. The elimination of restrictions on payments to persons employed, with authority vested in the Board of Education instead of the Commission on Administration and Finance.

The following is a list of the names of the persons who have been appointed to the various positions in the Department of the Interior, under the authority of the President, and who have taken the oath of office and qualification:

[illegible]

The first of these is the fact that the
 Government has been unable to secure
 the necessary funds to carry out its
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 is the fact that the Government has
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 funds to carry out its policy of non-
 interference. The third is the fact
 that the Government has been unable
 to secure the necessary funds to carry
 out its policy of non-interference.

1. The first thing I noticed when I stepped out of the plane was the cold. It was a sharp contrast to the warm, humid air of the tropics. I had heard that the weather in the north was harsh, but I didn't realize just how cold it would be. The wind was biting, and the sun felt like a distant, weak light. I wrapped my coat around myself, trying to keep warm. The ground beneath my feet was a mix of dirt and snow, and the air smelled like frost. I took a deep breath, trying to get used to the new environment. The first few days were a challenge, but I knew I had to adapt. I had come here for a reason, and I was determined to make the most of my time. I started by learning the basics of the local language, and I began to understand the customs and traditions of the people. I found that the locals were friendly and helpful, and I was able to build a good rapport with them. I also started to learn about the history and culture of the region, and I was fascinated by the stories I heard. I knew that this was a unique opportunity, and I was determined to make the most of it. I was going to learn everything I could about this new world, and I was going to share it with the people back home. I was going to make the most of my time, and I was going to come home with a wealth of knowledge and experience. I was going to make the most of this opportunity, and I was going to make the most of my time. I was going to make the most of this opportunity, and I was going to make the most of my time.

1. The first of these is the fact that the Commission has not yet received any information from the Government of the Republic of China (Taiwan) regarding the situation in the Republic of China (Taiwan) and the Commission has not yet received any information from the Government of the Republic of China (Taiwan) regarding the situation in the Republic of China (Taiwan).

1. The proper setting of the program, which is the first step in the process of planning, is the most important factor in the success of the program. It is the responsibility of the management to set the program in a way that is consistent with the organization's mission and vision.
2. The second step in the process of planning is the development of a strategic plan. This plan should outline the organization's long-term goals and the strategies that will be used to achieve them. It should also identify the resources that will be needed to implement the plan.
3. The third step in the process of planning is the development of a tactical plan. This plan should outline the specific actions that will be taken to implement the strategic plan. It should also identify the resources that will be needed to implement the plan.
4. The fourth step in the process of planning is the implementation of the plan. This step involves putting the plan into action and monitoring progress. It is the responsibility of the management to ensure that the plan is implemented effectively and that progress is monitored.
5. The fifth step in the process of planning is the evaluation of the plan. This step involves assessing the results of the plan and determining whether the organization is on track to achieve its goals. It is the responsibility of the management to ensure that the plan is evaluated regularly and that any necessary adjustments are made.

5. Increased efficiency in the processing of bills and purchases, by eliminating the number of offices through which such items have to pass for approval.
6. Increased use of IBM equipment, and Computer services, both to reduce costs, and to speed up services.
7. Recognition of the difference of administering a business that brings income to the Commonwealth, while at the same time it earns 55% of its budget, through setting up more flexible budgetary and accounting procedures.

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and assist in the development of the child and to make sure
it will be a good citizen. The child should be taught to
respect the rights of others, to be honest, to be true,
and to be a good citizen.

January 1, 1964

CHART I

NAMETERMEXPIRESORGANIZATIONADDRESSTOWNNORTHEASTERN AREA - BOSTON

| | | | | |
|--------------------------|------|--|------------------------|------------|
| COLLINS, Mrs. Walter R. | 1965 | Massachusetts State Federation Women's Clubs | 90 Beacon Street | Hyde Park |
| DAY, John | 1967 | Radio-Program Director, Station WHDH | 50 Morrissey Boulevard | Boston |
| DePASQUA, Joseph | 1965 | Massachusetts Association School Committees | 133 Thornton Road | Needham |
| FINNEGAN, W. Henry | 1966 | Director, Division of Civil Service, Massachusetts | State House | Boston |
| FITZPATRICK, Ellen | 1965 | Boston Quota Club | 100 Anawan Avenue | W. Roxbury |
| KNOX, John | 1965 | Associated Press | 230 Congress Street | Boston |
| LOW, Rev. Albert W. | 1967 | Archdiocesan Superintendent of Schools | 468 Beacon Street | Boston |
| MEIER, Dr. Frederick | 1966 | President, Salem State College | 9 Loring Avenue | Salem |
| O'DONNELL, Mrs. Helen T. | 1966 | Vice-President, Massachusetts Federation of Labor | 73 Tremont Street | Boston |
| RUDDY, Charles O. | 1967 | Assistant Superintendent, Boston Public Schools | 15 Beacon Street | Boston |

CENTRAL AREA - WORCESTER

| | | | | |
|---------------------|------|---|------------------|-----------|
| CAPECE, Nicholas J. | 1965 | Medicine - Physician | 8 West Street | Milford |
| CHARETH, Leo J. | 1965 | Director, Adult Education and Evening Schools | Whittier School | Haverhill |
| KLUMP, George D. | 1966 | General Electric Company | 166 Broad Street | Fitchburg |
| LYDON, Dr. Martin | 1967 | President, Lowell Technological Institute | 1 Textile Avenue | Lowell |
| STANLEY, George A. | 1967 | Union Twist Drill Company | | Athol |
| TAYLOR, Thurston | 1966 | Memorial Library | 12 Elm Street | Worcester |

WESTERN AREA - SPRINGFIELD AND PITTSFIELD

| | | | | |
|----------------------------|------|---|-----------------------------|-------------|
| DOWNIE, Dr. Willard | 1966 | Superintendent of Schools | Public Schools | Greenfield |
| FLANDERS, Courtney W. | 1967 | Manager, Sprague Electric Company, Training, Publications | 87 Marshall Street | North Adams |
| HIGGINS, Barbara | 1967 | Agricultural Co-operative Extension Service | University of Massachusetts | Amherst |
| MORAN, John F. | 1966 | Assistant Superintendent of Schools | 65 Waverly Street | Pittsfield |
| MORRISSEY, Mrs. Richard C. | 1965 | Chairman, Education Committee, Women's Club | 81 Court Street | Westfield |
| ROBINSON, Frederick B. | 1967 | Director, Museum of Fine Arts | 49 Chestnut Street | Springfield |
| SHERK, Kenneth | 1965 | Director of Graduate Studies | Smith College | Northampton |
| SULLIVAN, George | 1966 | Director, Evening Schools | | North Adams |

SOUTHEASTERN AREA - FALL RIVER AND CAPE COD

| | | | | |
|-------------------------|------|---|-------------------------|--------------|
| ARNOLD, Warren R. | 1966 | Massachusetts Congress P.T.A. | Kelton Street | Rehoboth |
| BROADBENT, Harvard H. | 1965 | Superintendent, Barnstable Public Schools | Tern Lane, Centerville | Hyannis |
| COOK, Norman | 1966 | Cape Cod Chamber of Commerce | 210 South Street | Hyannis |
| EASTMAN, William H. | 1966 | John Hancock Insurance Company | Berkeley Street, Boston | Sharon |
| FONSECA, Honorable Mary | 1967 | Senator, Massachusetts General Court | 102 Webster Street | Fall River |
| SEARS, Mary | 1966 | Falmouth School Committee | Glendon Road | Woods Hole |
| TARVERS, Mrs. Anthony | 1965 | Member, Women's Clubs | 178 Bradford Street | Provincetown |

CHART II

277

UNIVERSITY EXTENSION

ORGANIZATION

October 1, 1964

I. ADMINISTRATIVE SERVICES

Number of Positions

A. 1 Director; 1 Principal Clerk (should be Head Clerk). 2

B. FISCAL CONTROL

1 Supervisor (should be Assistant Director), 1 Head Administrative Clerk, 1 Principal Clerk, 1 Senior Clerk Stenographer. 4

C. BUSINESS OFFICE

2 Principal Clerks, 1 Senior Clerk Typist, 1 Junior Clerk Typist 4

D. MAIL ROOM AND PRINTING

1 Storekeeper, 1 Senior Clerk, 1 Multilith Operator, 3 Junior Clerk Typists, 2 Junior Clerks 8

18

II. CLASS LESSONS

A. BOSTON OFFICE

1 Senior Supervisor (Co-ordinator), 1 Supervisor, 3 Assistant Supervisors, 2 Organizing Extension Instructors, 2 Principal Clerks, 3 Senior Clerk Stenographers, 1 Junior Clerk Stenographer, 1 Junior Clerk Typist. 14

B. SPRINGFIELD OFFICE

1 Supervisor, 1 Junior Clerk Stenographer (Should be Senior Stenographer), 1 Senior Bookkeeper (3/5 time) 2

16

III. CORRESPONDENCE INSTRUCTION

A. 1 Supervisor, 3 University Extension Instructors, 1 Senior Clerk, 1 Junior Clerk Stenographer, 2 Junior Clerk Typists. 8

B. CORRESPONDENCE SCHOOLS SUPERVISION

1 Supervisor, 1 Senior Clerk Stenographer 2

10

IV. HIGH SCHOOL EQUIVALENCY PROGRAM

1 Senior Supervisor (Co-ordinator), 3 Supervisors, 1 Organizing Extension Instructor, 2 Senior Clerk Stenographers, 1 Junior Clerk Stenographer, 2 Junior Clerk Typists. 10

V. AUDIO-VISUAL SERVICES

1 Supervisor, 1 Organizing Extension Instructor, 1 University Extension Instructor, 1 Senior Clerk Stenographer, 2 Junior Library Assistants, 1 Junior Clerk Stenographer, 1 Junior Clerk Typist ($\frac{1}{2}$ time). 7

VI. CIVIL DEFENSE ADULT EDUCATION

1 Senior Supervisor (Co-ordinator), 2 Supervisors, 1 Senior Clerk Stenographer, 1 Junior Clerk Stenographer. 5
64

Number of Positions

I. ADMINISTRATIVE SERVICES

A. 1 Director; 1 Principal Clerk (should be 2nd Clerk).

2

B. RECORDS CONTROL

1 Supervisor (should be Assistant Director), 1 Head Administrative Clerk, 1 Principal Clerk, 1 Senior Clerk, 1 Junior Clerk.

4

C. BUSINESS OFFICE

2 Principal Clerks, 1 Senior Clerk, 1 Junior Clerk, 1 Typist.

4

D. MAIL ROOM AND PRINTING

1 Stenographer, 1 Senior Clerk, 1 Assistant Operator, 3 Junior Clerk Typists, 2 Junior Clerks.

8

18

II. CLASS LESSONS

A. READING OFFICE

1 Senior Supervisor (Co-ordinator), 1 Supervisor, 3 Assistant Supervisors, 2 (Principal, Assistant), 2 Instructors, 2 Principal Clerks, 3 Senior Clerks, 1 Junior Clerk, 1 Junior Clerk Typist.

14

B. READING OFFICE

1 Supervisor, 1 Junior Clerk, 1 Junior Clerk Typist (3/4 time), 1 Senior Stenographer, 1 Senior Stenographer (3/4 time).

5

18

III. CORRESPONDENCE INSTRUCTION

A. 1 Supervisor, 3 University Extension Instructors, 1 Senior Clerk, 1 Junior Clerk, 2 Junior Clerk Typists.

6

B. CORRESPONDENCE SCHOOL SUPERVISOR

1 Supervisor, 1 Senior Clerk, 1 Junior Clerk.

3

10

IV. HIGH SCHOOL EQUIVALENT PROGRAM

1 Senior Supervisor (Co-ordinator), 3 Supervisors, 1 Training Extension Instructor, 2 Senior Clerks, 2 Stenographers, 1 Junior Clerk, 2 Junior Clerk Typists.

10

V. ADULT-VOCAL SERVICES

1 Supervisor, 1 Organizing Extension Instructor, 1 University Extension Instructor, 1 Senior Clerk, 1 Junior Clerk, 1 Junior Clerk Typist (1/2 time).

7

VI. CIVIL SERVICE AND RECREATION

1 Senior Supervisor (Co-ordinator), 2 Supervisors, 1 Senior Clerk, 1 Junior Clerk, 1 Junior Clerk Typist.

5

1 Class Lessons 2. Correspondence Courses 3. Audio-Visual Services

4. High School Equivalency 5. Civil Defense Adult Education

CHART III

| 1. | 2. | 3. | 4. | 5. | | 1. | 2. | 3. | 4. | 5. | | 1. | 2. | 3. | 4. | 5. | |
|----|----|----|----|----|--------------|----|----|----|----|----|------------------|----|----|----|----|----|--------------|
| ✓ | | | ✓ | ✓ | Abington | | | ✓ | | | Chester | | ✓ | ✓ | ✓ | | Hadley |
| | ✓ | ✓ | | | Acton . . | | ✓ | ✓ | | | Chesterfield | | | | | | Halifax |
| | ✓ | ✓ | | | Acushnet | | ✓ | ✓ | | | Chicopee | ✓ | ✓ | ✓ | | ✓ | Hamilton |
| | ✓ | ✓ | ✓ | | Adams . | | | | | | Chilmark . | ✓ | | ✓ | | | Hampden |
| ✓ | ✓ | ✓ | | | Agawam | | ✓ | | | | Clarksburg | | | | | | Hancock |
| | | | | | Alford . | | | ✓ | | | Clinton . . | ✓ | | ✓ | ✓ | | Hanover |
| | ✓ | ✓ | | | Amesbury | | | ✓ | ✓ | | Cohasset . . | | | ✓ | ✓ | | Hanson |
| ✓ | ✓ | ✓ | ✓ | ✓ | Amherst | | ✓ | | | | Colrain . . | | | | | | Hardwick |
| ✓ | ✓ | ✓ | ✓ | ✓ | Andover | | ✓ | ✓ | ✓ | ✓ | Concord . . | | | ✓ | | | Harvard |
| ✓ | ✓ | ✓ | ✓ | | Arlington . | | ✓ | | ✓ | | Conway . . | | ✓ | | | | Harwich |
| | | | ✓ | | Ashburnham | | ✓ | | | | Cummington | | | | | | Hatfield |
| | ✓ | ✓ | | | Ashby . | | ✓ | | | | Dalton | ✓ | ✓ | ✓ | ✓ | ✓ | Haverhill |
| ✓ | ✓ | ✓ | ✓ | | Ashfield . | ✓ | ✓ | ✓ | | ✓ | Danvers . | | ✓ | | ✓ | | Hawley |
| | ✓ | ✓ | ✓ | ✓ | Ashland . | ✓ | ✓ | ✓ | | | Dartmouth | | ✓ | ✓ | | | Heath |
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| ✓ | ✓ | ✓ | ✓ | | Attleboro | ✓ | | | ✓ | | Deerfield | | ✓ | | | | Hinsdale |
| | | | ✓ | | Auburn . | | ✓ | ✓ | | | Dennis . | | ✓ | ✓ | ✓ | | Holbrook |
| | ✓ | ✓ | ✓ | | Avon . . | | ✓ | ✓ | ✓ | | Dighton . | | | ✓ | ✓ | | Holden |
| ✓ | ✓ | | | | Ayer . . | ✓ | | | | | Douglas . | | | | | | Holland |
| ✓ | ✓ | ✓ | ✓ | | Barnstable | | | ✓ | ✓ | | Dover . | | ✓ | ✓ | | ✓ | Holliston |
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| | ✓ | | | | Becket . . | | | ✓ | | | Dudley . | | | ✓ | ✓ | | Hopedale |
| ✓ | ✓ | ✓ | ✓ | | Bedford . . | | | | | | Dunstable | | ✓ | ✓ | ✓ | | Hopkinton |
| | ✓ | | ✓ | | Belchertown | | | | ✓ | | Duxbury | | | | | | Hubbardston |
| ✓ | ✓ | ✓ | | ✓ | Bellingham | | | ✓ | ✓ | | East Bridgewater | | ✓ | ✓ | ✓ | ✓ | Hudson . . |
| ✓ | ✓ | ✓ | ✓ | ✓ | Belmont . | | | | ✓ | | East Brookfield | ✓ | | ✓ | | | Hull . . . |
| | | ✓ | | | Berkley . . | ✓ | | ✓ | ✓ | ✓ | East Longmeadow | | | | | | Huntington |
| | | | | | Berlin . . . | | ✓ | | ✓ | | Eastham . . | | ✓ | ✓ | ✓ | ✓ | Ipswich |
| | | | ✓ | | Bernardston | | ✓ | ✓ | ✓ | | Easthampton | | | | | ✓ | Kingston |
| ✓ | ✓ | ✓ | ✓ | ✓ | Beverly . | ✓ | ✓ | | ✓ | | Easton . . | ✓ | | | ✓ | | Lakeville |
| ✓ | ✓ | ✓ | | ✓ | Billerica . | | ✓ | | ✓ | | Edgartown | | | | ✓ | | Lancaster . |
| | | | ✓ | | Blackstone | | | | | | Egremont | | | ✓ | ✓ | | Lanesborough |
| | | | ✓ | ✓ | Blandford | | | ✓ | | | Erving . | | ✓ | | ✓ | | Lawrence . |
| ✓ | | ✓ | ✓ | ✓ | Bolton . | | ✓ | ✓ | ✓ | | Essex | ✓ | ✓ | | | | Lee |
| ✓ | ✓ | ✓ | ✓ | ✓ | Boston . | | ✓ | ✓ | ✓ | | Everett | ✓ | ✓ | | | | Leicester . |
| | ✓ | ✓ | ✓ | | Bourne . | | ✓ | ✓ | ✓ | | Fairhaven | | | | | | Lenox . . . |
| | | | ✓ | | Boxborough | ✓ | ✓ | ✓ | ✓ | | Fall River | | ✓ | | | | Leominster |
| | | | ✓ | | Boxford . | ✓ | ✓ | ✓ | | | Falmouth | ✓ | | ✓ | ✓ | | Leverett . |
| | | | | | Boylston | ✓ | | ✓ | ✓ | ✓ | Fitchburg | | | | ✓ | | Lexington . |
| ✓ | ✓ | ✓ | ✓ | ✓ | Braintree | | | | ✓ | | Florida . | | ✓ | ✓ | ✓ | | Leyden . . |
| | | | ✓ | | Brewster | | ✓ | ✓ | | | Foxborough | | | | | | Lincoln . . |
| ✓ | | | ✓ | ✓ | Bridgewater | ✓ | ✓ | ✓ | ✓ | ✓ | Framingham | ✓ | | ✓ | ✓ | | Littleton . |
| | | | | | Brimfield | | ✓ | ✓ | | ✓ | Franklin | | ✓ | ✓ | ✓ | | Longmeadow |
| ✓ | | ✓ | ✓ | ✓ | Brockton | | | | ✓ | | Freetown | ✓ | ✓ | ✓ | | ✓ | Lowell . . |
| | | | ✓ | | Brookfield | | | ✓ | ✓ | | Gardner | ✓ | ✓ | ✓ | ✓ | ✓ | Ludlow . . |
| | ✓ | ✓ | ✓ | | Brookline | | | | | | Gay Head | | ✓ | | | | Lunenburg |
| | ✓ | | ✓ | | Buckland | ✓ | | ✓ | ✓ | | Georgetown | ✓ | | | ✓ | | Lynn . . |
| ✓ | ✓ | ✓ | ✓ | ✓ | Burlington | | | | ✓ | | Gill . . . | ✓ | ✓ | ✓ | ✓ | ✓ | Lynnfield |
| ✓ | ✓ | ✓ | ✓ | | Cambridge | | ✓ | ✓ | ✓ | | Gloucester | | | ✓ | ✓ | | Malden |
| | ✓ | ✓ | | | Canton . . | | | | | | Goshen | ✓ | ✓ | ✓ | ✓ | ✓ | Manchester |
| | ✓ | | ✓ | | Carlisle . . | | | | | | Gosnold | ✓ | ✓ | ✓ | | | Mansfield . |
| | | | | | Carver . . | | | ✓ | | | Grafton . | ✓ | | ✓ | | | Marblehead |
| ✓ | ✓ | | ✓ | | Charlemont | | ✓ | ✓ | ✓ | | Granby . | | ✓ | ✓ | ✓ | ✓ | Marion . . |
| | | | ✓ | | Charlton | | | | | | Granville . . | | ✓ | ✓ | ✓ | ✓ | Marlborough |
| | ✓ | | ✓ | | Chatham | ✓ | ✓ | | ✓ | | Great Barrington | | ✓ | ✓ | ✓ | ✓ | Marshfield . |
| | ✓ | ✓ | ✓ | | Chelmsford | ✓ | ✓ | ✓ | ✓ | ✓ | Greenfield . | | | ✓ | | | Mashpee . |
| ✓ | | ✓ | | | Chelsea . | | ✓ | | | | Groton . | | | | | | Mattapoisett |
| | ✓ | | | | Cheshire | | ✓ | ✓ | | | Groveland | | | | | ✓ | Maynard |

1. Class Lessons 2. Correspondence Courses 3. Audio-Visual Services

4. High School Equivalency 5. Civil Defense Adult Education

CHART III (Cont'd.)

| 1. | 2. | 3. | 4. | 5. | | 1. | 2. | 3. | 4. | 5. | | 1. | 2. | 3. | 4. | 5. | |
|----|----|----|----|----|--------------------|----|----|----|----|----|--------------|----|----|----|----|----|------------------|
| | ✓ | | ✓ | ✓ | Medfield | | | ✓ | | | Petersham | ✓ | ✓ | ✓ | | | Taunton |
| ✓ | ✓ | ✓ | ✓ | ✓ | Medford | | | ✓ | | | Phillipston | ✓ | | ✓ | | | Templeton |
| | ✓ | ✓ | ✓ | | Medway | ✓ | ✓ | ✓ | ✓ | | Pittsfield | ✓ | ✓ | ✓ | | | Tewksbury |
| | ✓ | ✓ | ✓ | | Melrose | | | | ✓ | | Plainfield | | | | ✓ | | Tisbury |
| ✓ | | | ✓ | | Mendon | | ✓ | ✓ | ✓ | | Plainville | | | | | | Tolland |
| | ✓ | ✓ | | | Merrimac | | | ✓ | | | Plymouth | ✓ | ✓ | ✓ | ✓ | | Topsfield |
| ✓ | ✓ | ✓ | ✓ | ✓ | Methuen | | | ✓ | | | Plympton | | ✓ | | | | Townsend |
| | | ✓ | | | Middleborough | | | | | | Princeton | | ✓ | | | | Truro |
| | | | | | Middlefield | | | ✓ | | | Provincetown | | | ✓ | ✓ | | Tyngsborough |
| | ✓ | ✓ | ✓ | | Middleton | ✓ | ✓ | ✓ | ✓ | ✓ | Quincy | | | | | | Tyringham |
| ✓ | | ✓ | ✓ | | Milford | ✓ | ✓ | ✓ | ✓ | ✓ | Randolph | | | ✓ | ✓ | | Upton |
| | | ✓ | | | Millbury | | | ✓ | | | Raynham | | | ✓ | ✓ | | Uxbridge |
| | ✓ | | | | Millis | | ✓ | ✓ | ✓ | | Reading | ✓ | ✓ | ✓ | ✓ | | Wakefield |
| | | | ✓ | | Millville | | ✓ | ✓ | | | Rehoboth | | | | | | Wales |
| ✓ | ✓ | ✓ | ✓ | ✓ | Milton | | | ✓ | ✓ | | Revere | | ✓ | ✓ | ✓ | | Walpole |
| | | | ✓ | | Monroe | | | | | | Richmond | ✓ | ✓ | ✓ | ✓ | ✓ | Waltham |
| | | ✓ | | | Monson | | | | ✓ | | Rochester | ✓ | ✓ | ✓ | | ✓ | Ware |
| ✓ | | ✓ | ✓ | ✓ | Montague | ✓ | | ✓ | ✓ | ✓ | Rockland | | | | | | Wareham |
| | | | | | Monterey | ✓ | | ✓ | ✓ | | Rockport | | | ✓ | | | Warren |
| | | | | | Montgomery | | | | ✓ | | Rowe | | | | ✓ | | Warwick |
| | | | | | Mount Washington | | ✓ | | | | Rowley | | | | | | Washington |
| ✓ | ✓ | | ✓ | ✓ | Nahant | | | | | | Royalston | | ✓ | ✓ | ✓ | | Watertown |
| | ✓ | | | | Nantucket | | ✓ | | | | Russell | | ✓ | ✓ | ✓ | | Wayland |
| ✓ | ✓ | ✓ | ✓ | ✓ | Natick | | | ✓ | | | Rutland | | | ✓ | | | Webster |
| | ✓ | ✓ | ✓ | | Needham | ✓ | ✓ | ✓ | | ✓ | Salem | ✓ | ✓ | ✓ | ✓ | ✓ | Wellesley |
| | | | | | New Ashford | | | ✓ | | | Salisbury | | | | | | Wellfleet |
| ✓ | ✓ | ✓ | | | New Bedford | | | | ✓ | | Sandisfield | | | | | | Wendell |
| | | | | | New Braintree | | | | | | Sandwich | ✓ | ✓ | | | | Wenham |
| | ✓ | | | | New Marlborough | ✓ | ✓ | ✓ | ✓ | | Saugus | | | | | | West Boylston |
| | ✓ | | | | New Salem | | | | ✓ | | Savoy | | | | | | West Bridgewater |
| ✓ | ✓ | ✓ | ✓ | | Newbury | | | ✓ | ✓ | | Scituate | | | | ✓ | | West Brookfield |
| ✓ | ✓ | ✓ | ✓ | ✓ | Newburyport | | | | | | Seekonk | | | | | | West Newbury |
| | ✓ | ✓ | ✓ | ✓ | Newton | | ✓ | ✓ | ✓ | | Sharon | ✓ | | ✓ | | | West Springfield |
| | ✓ | ✓ | | | Norfolk | | ✓ | | ✓ | | Sheffield | | | | | | West Stockbridge |
| | | ✓ | ✓ | | North Adams | ✓ | ✓ | | ✓ | | Shelburne | | | ✓ | ✓ | | West Tisbury |
| | ✓ | | ✓ | | North Andover | | ✓ | | | | Sherborn | ✓ | ✓ | ✓ | | | Westborough |
| ✓ | ✓ | ✓ | ✓ | ✓ | North Attleborough | | ✓ | ✓ | | | Shirley | ✓ | ✓ | ✓ | | ✓ | Westfield |
| | | ✓ | | | North Brookfield | ✓ | | | | | Shrewsbury | ✓ | ✓ | | | ✓ | Westford |
| | ✓ | | ✓ | | North Reading | | ✓ | | | | Shutesbury | | | | ✓ | | Westhampton |
| ✓ | ✓ | ✓ | ✓ | | Northampton | | ✓ | ✓ | | | Somerset | | | | ✓ | | Westminster |
| | | ✓ | | | Northborough | ✓ | ✓ | ✓ | | ✓ | Somerville | ✓ | ✓ | ✓ | ✓ | | Weston |
| | | ✓ | | | Northbridge | ✓ | ✓ | ✓ | | ✓ | South Hadley | | | ✓ | ✓ | | Westport |
| | ✓ | ✓ | | | Northfield | | | ✓ | | | Southampton | | ✓ | ✓ | ✓ | | Westwood |
| ✓ | ✓ | ✓ | | | Norton | ✓ | | ✓ | ✓ | | Southborough | | ✓ | ✓ | ✓ | ✓ | Weymouth |
| | | | | | Norwell | | | | | | Southbridge | | | | | | Whately |
| | ✓ | ✓ | ✓ | | Norwood | ✓ | ✓ | ✓ | | | Southwick | ✓ | | | ✓ | | Whitman |
| ✓ | ✓ | ✓ | ✓ | | Oak Bluffs | | | ✓ | | | Spencer | ✓ | ✓ | ✓ | | | Wilbraham |
| | | | ✓ | | Oakham | ✓ | | ✓ | ✓ | ✓ | Springfield | | | ✓ | ✓ | | Williamsburg |
| ✓ | ✓ | ✓ | ✓ | | Orange | | | | | | Sterling | | ✓ | | ✓ | | Williamstown |
| | ✓ | | ✓ | | Orleans | | ✓ | | ✓ | | Stockbridge | ✓ | ✓ | ✓ | | | Wilmington |
| | ✓ | | | | Otis | | ✓ | ✓ | ✓ | | Stoneham | ✓ | | | | | Winchendon |
| | | ✓ | | | Oxford | | ✓ | ✓ | | | Stoughton | | ✓ | ✓ | ✓ | | Winchester |
| ✓ | | ✓ | | | Palmer | ✓ | ✓ | ✓ | | | Stow | | | | | | Windsor |
| ✓ | | | | | Paxton | | | ✓ | ✓ | | Sturbridge | ✓ | | | | | Winthrop |
| ✓ | ✓ | ✓ | ✓ | ✓ | Peabody | | ✓ | ✓ | | ✓ | Sudbury | | ✓ | ✓ | ✓ | | Woburn |
| | | | | ✓ | Pelham | | ✓ | | | | Sunderland | ✓ | | ✓ | ✓ | | Worcester |
| ✓ | | ✓ | ✓ | | Pembroke | ✓ | | ✓ | | ✓ | Sutton | | | ✓ | | | Worthington |
| ✓ | ✓ | ✓ | | ✓ | Pepperell | | ✓ | ✓ | | ✓ | Swampscott | | | ✓ | | | Wrentham |
| | | | | | Peru | | ✓ | ✓ | | | Swansea | | ✓ | ✓ | ✓ | | Yarmouth |

SCHEDULE OF PAYMENTS AND FEES.

January 1, 1964

I. PAYMENTS FOR INSTRUCTION AND SERVICES.

| | |
|--|---|
| College Course Instructor * | \$160 per Semester Hour. |
| High School and Adult Course Instructor * | \$6.00 per Class Hour. |
| Specialized Adult Courses - 15 Lessons * | \$200 per Course. |
| Co-ordinator, or Laboratory Assistant * | \$100 per Course. |
| Lecturers | \$10 to \$50 per Lecture. |
| Paper Correction - above 40 students | 25¢ per paper. |
| Correction, Correspondence Lessons | 50¢ to \$1.25 per Lesson. |
| Preparation, or Revision, Correspondence Courses | \$1 to \$10 per Lesson. |
| Preparation, Correction, Examinations | \$3 to \$12.50 per Examination. |
| Preparation of Newsletters | \$20 per Newsletter. |
| Area, or Local Organizers | \$15 to \$40 per Course. |
| Division Organizer, or Proctoring | \$7 per Night. |
| Area Center Supervision | \$10 per Night. |
| Supervision of Advanced Registration | \$12 per Night. |
| Building Secretary | \$6 per Night, plus 50¢
per 100 above 100. |
| Class Secretary | Refund of Tuition. |
| Projectionist | \$7.50 to \$15 per night. |
| Clerical Services - Hourly Rate | \$1.49 to \$2.12. |
| Custodial Services | Local Pay Schedule. |
| Police Services (Boston) | \$2.65 per Hour. |
| * - Plus Travel and Papers. | |

II. SCHEDULE OF FEES REQUIRED.

| | |
|--|--|
| College Grade Courses | 413 per Semester Hour. |
| Specialized Adult Courses | \$15 per Course. |
| High School and Adult Courses | 50¢ per Classroom Hour. |
| Registration Fee - all courses, Class Lessons | \$1 per Course. |
| Laboratory and Materials Fees | \$1 to \$5 per Course. |
| Textbooks (Correspondence Courses) | \$2 to \$10 per Book. |
| Special Fees - Writing Courses | \$1 per Paper. |
| Examinations - End-of-course, or Make-up | \$1 to \$5 per Examination. |
| High School Equivalency Application, Certificate | \$5 inclusive. |
| General Educational Development Tests | \$5 per set; \$1 Individual. |
| Transcripts - First one free | \$1 for each Duplicate. |
| Certificates - Class or Correspondence Courses | \$1 for each Duplicate |
| Film Rentals - per week | \$2.40 to \$12 according
to value of film |

I. FEES FOR INSTRUCTION AND RESEARCH

College Course Instructor *
High School and Adult Course Instructor *
Instructional Aids Courses - 15 per hour *
Laboratory, or Laboratory Assistant *

Lecturer
Room Reservation - above 10 students
Text Cost, Correspondence Lessons
Preparation, or Revision, Correspondence Courses
Preparation, Correction, Examination
Preparation of Materials
Time, or Local Symposium
Visiting Organization, or Project
Visiting Center Organization
Organization of National Registration
Building Secretary

Class Secretary
Registration
Travel Services - hourly fees
National Services
Police Services (Boston)
* - Plus Travel and Postage

II. REVENUE OF THIS PROGRAM

College Grade Courses
Specialized Adult Courses
High School and Adult Courses
Registration Fee - all courses, class lessons
Laboratory and Materials Fees
Textbooks (Correspondence Courses)
Special Fees - Writing Courses
Examination - 10-25 course, or exam-10
High School Registration Application, Enrollment
General Educational Development Tests
Transcripts - 15 per one
Certificates - 15 per one
Life Members - per week

113 per semester hour
415 per course
504 per classroom hour
41 per course
41 to 45 per course
42 to 45 per hour
41 per paper
41 to 45 per examination
45 inclusive
45 per one; 41 individual
41 for each duplicate
41 for each duplicate
45.40 to 415 according
to value of item

TABLE I

ANALYSIS OF ENROLLMENTS - 1915 to 1964 (By 5-Year Periods)

| <u>Year</u> | <u>Class Enrollments</u> | <u>Correspondence Enrollments</u> | <u>Radio Enrollments</u> | <u>Totals</u> |
|-------------|--------------------------|-----------------------------------|--------------------------|---------------|
| 1915-16 | 2,332 | 1,065 | - | 3,397 |
| 1920-21 | 24,117 | 5,330 | - | 29,447 |
| 1925-26 | 29,067 | 4,531 | 1,045 | 34,643 |
| 1930-31 | 33,218 | 3,976 | 179 | 37,373 |
| 1935-36 | 25,800 | 4,049 | 308 | 30,157 |
| 1940-41 | 28,458 | 3,464 | - | 31,922 |
| 1945-46 | 23,513 | 5,807 | - | 29,320 |
| 1950-51 | 20,522 | 3,628 | - | 24,150 |
| 1955-56 | 25,797 | 5,684 | - | 31,481 |
| 1960-61 | 30,561 | 6,613 | - | 37,174 |
| All-time | 37,449 | 7,208 | 2,276 | 44,658 |
| High | (1959-60) | (1959-60) | (1926-27) | (1959-60) |
| 1963-1964 | 23,963 | 7,148 | - | 31,111 |

TABLE II

RECEIPTS AND EXPENDITURES - 1959 to 1964

| <u>Fiscal Year</u> | <u>Cash Receipts from all sources</u> | <u>Estimated Value Free Services</u> | <u>Totals (Estimated)</u> | <u>Expenditures</u> |
|--------------------|---------------------------------------|--------------------------------------|---------------------------|---------------------|
| 1959-60 | \$339,951.11 | \$349,605.00 | \$689,556.11 | \$552,620.34 |
| 1960-61 | 324,248.38 | 267,735.00 | 591,983.38 | 604,359.28 |
| 1961-62 | 319,925.28 | 259,695.00 | 579,620.28 | 592,856.61 |
| 1962-63 | 350,580.62 | 230,475.00 | 581,055.62 | 617,211.76 |
| 1963-1964 | 411,276.11 | 204,060.00 | 615,336.11 | 661,542.69 |

TABLE III

CLASS INSTRUCTION (By 2-Year Periods)

| <u>Year</u> | <u>No. of Courses</u> | <u>No. of Towns</u> | <u>Enrollments</u> | | <u>Receipts</u> | <u>Expenditures</u> |
|-------------|-----------------------|---------------------|--------------------|-------------|-----------------|---------------------|
| | | | <u>Paid</u> | <u>Free</u> | | |
| 1958-59 | 720 | 80 | 15,366 | 18,967 | \$237,297 | \$179,452 |
| 1960-61 | 847 | 67 | 17,324 | 13,237 | 280,912 | 271,173 |
| 1962-63 | 720 | 64 | 15,629 | 10,921 | 308,276 | 275,780 |
| 1963-1964 | 763 | 95 | 15,125 | 8,838 | 363,136 | 257,629 |

CORRESPONDENCE COURSES

Lessons Corrected

| | | | | | | |
|-----------|-----|--------|-------|-------|--------|--------|
| 1958-59 | 160 | 20,753 | 1,825 | 4,519 | 27,468 | 17,534 |
| 1960-61 | 150 | 24,461 | 1,816 | 4,797 | 30,936 | 16,800 |
| 1962-63 | 140 | 25,156 | 2,114 | 4,454 | 35,433 | 20,044 |
| 1963-1964 | 140 | 25,024 | 2,382 | 4,766 | 38,188 | 19,504 |

HIGH SCHOOL EQUIVALENCY CERTIFICATION

| <u>Year</u> | <u>No. of Applications</u> | <u>No. Active Candidates</u> | <u>No. of Tests Given</u> | <u>No. of Certificates Awarded</u> |
|-------------|----------------------------|------------------------------|---------------------------|------------------------------------|
| 1958-59 | 2,516 | 21,441 | 6,456 | 423 |
| 1960-61 | 2,023 | 23,025 | 5,739 | 434 |
| 1962-63 | 2,356 | 26,460 | 4,640 | 430 |
| 1963-1964 | 2,526 | 27,923 | 5,310 | 488 |

AUDIO-VISUAL SERVICES

Agencies Served - Co-operativesSupervisors

| <u>Year</u> | <u>Communities Served</u> | <u>School Systems</u> | <u>Librarians</u> | <u>Hospitals</u> | <u>Full-time</u> | <u>Part-time</u> | <u>Film Bookings</u> | <u>Receipts</u> |
|-------------|---------------------------|-----------------------|-------------------|------------------|------------------|------------------|----------------------|-----------------|
| 1958-59 | 106 | 39 | 73 | 13 | 42 | 257 | 13,479 | \$3,096 |
| 1960-61 | 160 | 61 | 81 | 13 | 45 | 260 | 13,099 | 2,193 |
| 1962-63 | 220 | 59 | 78 | 6 | 50 | 275 | 18,000 | 4,932* |
| 1963-1964 | 233 | 72 | 89 | 6 | 50 | 275 | 20,000 | 5,299* |

*Co-operatives supply films in place of rentals; our Film Depository now numbers 2558 valued at \$275,000 as a result.

TABLE IV

Month of June, 1964

Cumulative from July 1, 1963 to June 30, 1964

| | | ENROLLMENTS | | | | | ENROLLMENTS | | | | |
|----------------|--|-------------|------|------|-----------------|-------------|----------------|--------|--------|-----------------|-------------|
| | | Receipts | Paid | Vets | Free
(Inst.) | Sr.
Cit. | Receipts | Paid | Vets | Free
(Inst.) | Sr.
Cit. |
| Class | | | | | | | | | | | |
| Correspondence | | \$14,775.15 | 506 | 267 | --- | -- | \$363,135.71** | 15,125 | 8,501 | -- | 337 |
| Films | | 3,203.25 | 220 | 144 | 105 | 6 | 38,187.86 | 2,382 | 2,021 | 2,619 | 126 |
| Other* | | 609.33 | | | | | 5,298.48 | | | | |
| | | 1,242.70 | | | | | 14,782.76 | | | | |
| Less Refunds | | (151.20) | | | | | (10,128.70) | | | | |
| Totals | | 19,679.23 | 726 | 411 | 105 | 6 | 411,276.11 | 17,507 | 10,522 | 13,604 | 463 |
| Totals a | | | | | | | | | | 2,619 | |
| Year Ago | | 16,403.43 | 839 | 329 | 122 | 4 | 350,580.62 | 17,743 | 12,599 | 15,365 | 517 |

| | | Income Credited
from receipts
through
6/30/64 | | Total
Appropriation | | Allotted | | Expended or
Encumbered | |
|--------------|----------------------|--|--------------|------------------------|--------------|--------------|--|---------------------------|--|
| Acct.
No. | | | | | | | | | |
| 01 | Permanent | \$277,844.00 | \$15,500.00 | \$293,344.00 | \$293,344.00 | \$288,491.44 | | | |
| 02 | Temporary | 3,700.00 | 30,500.00 | 34,200.00 | 34,150.00 | 32,828.59 | | | |
| 03 | Personal Services | 3,000.00 | 274,050.00 | 277,050.00 | 277,050.00 | 277,050.00 | | | |
| 08 | Heat | --- | 100.00 | 100.00 | 100.00 | 100.00 | | | |
| 10 | Travel | 1,300.00 | 4,800.00 | 6,100.00 | 6,100.00 | 5,967.44 | | | |
| 11 | Printing | 6,500.00 | 8,900.00 | 15,400.00 | 15,400.00 | 15,400.00 | | | |
| 12 | Repairs | 200.00 | 850.00 | 1,050.00 | 1,050.00 | 1,050.00 | | | |
| 13 | Educational Supplies | 3,000.00 | 29,000.00 | 32,000.00 | 32,000.00 | 31,729.38 | | | |
| 14 | Office Supplies | 3,200.00 | 26,500.00 | 29,700.00 | 29,700.00 | 26,928.93 | | | |
| 15 | Equipment | 300.00 | 2,500.00 | 2,800.00 | 2,800.00 | 2,760.00 | | | |
| 16 | Rent | 800.00 | 7,300.00 | 8,100.00 | 8,100.00 | 8,100.00 | | | |
| Totals | | \$299,844.00 | \$400,000.00 | \$699,844.00 | \$699,794.00 | \$690,405.78 | | | |

*GED tests, transcripts, re-opening records, and evaluation fees.

**Includes \$55,500 from C.D.A.E.P.

TABLE V
CLASS COURSE ENROLLMENTS
July 1, 1963 to June 30, 1964

| I A. CLASSES | Number of Classes | Number of Registrations |
|----------------------|-------------------|-------------------------|
| 1. Degree Credit | | |
| a. Undergraduate | <u>171</u> | 4989 |
| b. Graduate | <u>21</u> | 575 |
| Total | <u>192</u> | 5564 |
| 2. Non-Degree Credit | <u>203</u> | 6884 |
| 3. Non-Credit | <u>368</u> | 12578 |
| TOTAL CLASSES | <u>763</u> | <u>25026</u> |

I B. CLASSES - REGISTRATIONS

| Class | Degree
Credit-UGraduate | Graduate | Non
Degree Cr. | Non
Credit |
|--------------------|----------------------------|------------|-------------------|---------------|
| Agriculture | <u>0</u> | <u>0</u> | <u>0</u> | <u>77</u> |
| Behavioral Scs. | <u>841</u> | <u>88</u> | <u>1161</u> | <u>338</u> |
| Biological Scs. | <u>117</u> | <u>0</u> | <u>543</u> | <u>24</u> |
| Business | <u>639</u> | <u>25</u> | <u>859</u> | <u>3319</u> |
| Education | <u>0</u> | <u>162</u> | <u>0</u> | <u>247</u> |
| Engineering | <u>269</u> | <u>0</u> | <u>0</u> | <u>1520</u> |
| Health Professions | <u>0</u> | <u>0</u> | <u>0</u> | <u>0</u> |
| Humanities | <u>964</u> | <u>164</u> | <u>1976</u> | <u>1780</u> |
| Law | <u>367</u> | <u>0</u> | <u>0</u> | <u>182</u> |
| Phys. Sciences | <u>1358</u> | <u>136</u> | <u>2254</u> | <u>242</u> |
| Interdisciplinary | <u>0</u> | <u>0</u> | <u>0</u> | <u>0</u> |
| Drafting & Design | <u>407</u> | <u>0</u> | <u>91</u> | <u>4849</u> |
| Driver Ed. & Trng. | | | | |
| Library Sciences | | | | |
| TOTAL | <u>4989</u> | <u>575</u> | <u>6884</u> | <u>12578</u> |

| II A. CORRESPONDENCE | Number of Courses | Number of Registrations |
|----------------------|---------------------------|-------------------------|
| 1. Degree Credit | | |
| a. Undergraduate | | |
| b. Graduate | | |
| Total College Level | | <u>1272</u> |
| 2. Non-Degree Credit | H.S. or College Entr. Cr. | <u>3692</u> |
| 3. Non-Credit | | <u>1431</u> |
| TOTAL COURSES | | |

II B. CORRESPONDENCE - REGISTRATIONS

| Courses | Degree
Credit- UGraduate | Graduate | Non
Degree Cr. | Non
Credit |
|--------------------|-----------------------------|----------|-------------------|---------------|
| Agriculture | <u>0</u> | | <u>0</u> | <u>17</u> |
| Behavioral Scs. | <u>182</u> | | <u>262</u> | <u>0</u> |
| Biological Scs. | <u>8</u> | | <u>552</u> | <u>0</u> |
| Business | <u>64</u> | | <u>472</u> | <u>89</u> |
| Education | <u>32</u> | | <u>0</u> | <u>0</u> |
| Engineering | <u>95</u> | | <u>126</u> | <u>58</u> |
| Health Professions | <u>0</u> | | <u>34</u> | <u>0</u> |
| Humanities | <u>600</u> | | <u>1073</u> | <u>346</u> |
| Law | <u>160</u> | | <u>0</u> | <u>49</u> |
| Physical Scs. | <u>10</u> | | <u>788</u> | <u>584</u> |
| Interdisciplinary | <u>0</u> | | <u>0</u> | <u>0</u> |
| Other | <u>121</u> | | <u>385</u> | <u>288</u> |
| TOTAL | <u>1272</u> | | <u>3692</u> | <u>1431</u> |

TABLE VI - A
 STATISTICS ON CORRESPONDENCE
 July 1, 1963 - June 30, 1964
 Enrollments in Correspondence Courses

| <u>No. Lessons
Corrected</u> | <u>Month</u> | <u>Vets</u> | <u>D. V.</u> | <u>Free
Inst.</u> | <u>Senior
Citizens</u> | <u>Blind</u> | <u>Regular</u> | <u>USAFI</u> | <u>Total</u> |
|----------------------------------|--------------|-------------|--------------|-----------------------|----------------------------|--------------|----------------|--------------|--------------|
| 1755 | July 1963 | 148 | 0 | 125 | 12 | 0 | 309 | 19 | 613 |
| 2159 | Aug 1963 | 121 | 0 | 79 | 3 | 0 | 82 | 7 | 292 |
| 1863 | Sept 1963 | 169 | 8 | 289 | 20 | 0 | 191 | 16 | 693 |
| 1858 | Oct 1963 | 215 | 0 | 352 | 18 | 2 | 240 | 24 | 851 |
| 1726 | Nov 1963 | 135 | 4 | 220 | 8 | 0 | 108 | 30 | 505 |
| 1891 | Dec 1963 | 164 | 0 | 305 | 4 | 0 | 131 | 20 | 624 |
| 2010 | Jan 1964 | 130 | 2 | 239 | 7 | 0 | 180 | 31 | 589 |
| 2156 | Feb 1964 | 174 | 4 | 219 | 11 | 0 | 202 | 30 | 640 |
| 2491 | Mar 1964 | 209 | 0 | 268 | 24 | 0 | 189 | 35 | 725 |
| 2579 | Apr 1964 | 254 | 0 | 245 | 5 | 0 | 144 | 25 | 673 |
| 2349 | May 1964 | 108 | 0 | 171 | 8 | 0 | 138 | 11 | 436 |
| 2251 | June 1964 | 144 | 0 | 105 | 6 | 0 | 198 | 22 | 475 |
| <u>25088</u> | | <u>1971</u> | <u>18</u> | <u>2617</u> | <u>126</u> | <u>2</u> | <u>2112</u> | <u>270</u> | <u>7116</u> |

TABLE VI - B

STATISTICS
CORRESPONDENCE ENROLLMENTS BY CATEGORY

ACTIVE
1962-63

ACTIVE
1963-64

CLASSIFICATION

| | | |
|-----|---------------------------------------|------|
| 115 | Art | 95 |
| 130 | Automotive Courses | 373 |
| 155 | Bookkeeping and Accounting | 306 |
| 114 | Civil Service and License Preparation | 333 |
| 89 | Clerical and Stenographic Courses | 48 |
| 82 | Drawing, Design and Blueprint Reading | 158 |
| 60 | Economics | 77 |
| 36 | Education | 40 |
| 128 | Electrical Courses | 134 |
| 898 | English and Literature | 1488 |
| 24 | Forestry | 17 |
| 391 | History and Government | 493 |
| 32 | Homemaking | 44 |
| 22 | Industrial Engineering | 43 |
| 202 | Language | 294 |
| 87 | Law | 160 |
| 66 | Library Science | 79 |
| 40 | Management | 42 |
| 630 | Mathematics | 852 |
| 11 | Mechanical Engineering | 31 |
| 24 | Metallurgy and Welding | 33 |
| 135 | Music | 279 |
| 36 | Navigation | 41 |
| 61 | Psychology | 109 |
| 242 | Radio, Television and Electronics | 417 |
| 9 | Salesmanship and Advertising | 16 |
| 201 | Science | 293 |
| 14 | Sociology | 26 |
| 64 | Structural Courses | 74 |

TABLE VI - B

CLASSIFICATION OF ACTIVITIES
BY ECONOMIC SECTOR

ACTIVE
1963-64

ACTIVE
1963-64

CLASSIFICATION

| | | |
|------|---|-----|
| 10 | Art | 11 |
| 20 | Architecture | 12 |
| 30 | Engineering and Technology | 13 |
| 40 | Physical Sciences and Natural Resources | 14 |
| 50 | Chemical and Biological Sciences | 15 |
| 60 | Medicine, Dentistry and Veterinary | 16 |
| 70 | Education | 17 |
| 80 | Religion | 18 |
| 90 | Political Science | 19 |
| 100 | History and Geography | 20 |
| 110 | Law | 21 |
| 120 | Library and Information | 22 |
| 130 | Journalism | 23 |
| 140 | Advertising | 24 |
| 150 | Public Relations | 25 |
| 160 | Transportation | 26 |
| 170 | Communication | 27 |
| 180 | Recreation | 28 |
| 190 | Food and Nutrition | 29 |
| 200 | Health and Safety | 30 |
| 210 | Environment | 31 |
| 220 | Energy | 32 |
| 230 | Space | 33 |
| 240 | Defense | 34 |
| 250 | Law | 35 |
| 260 | Library and Information | 36 |
| 270 | Journalism | 37 |
| 280 | Advertising | 38 |
| 290 | Public Relations | 39 |
| 300 | Transportation | 40 |
| 310 | Communication | 41 |
| 320 | Recreation | 42 |
| 330 | Food and Nutrition | 43 |
| 340 | Health and Safety | 44 |
| 350 | Environment | 45 |
| 360 | Energy | 46 |
| 370 | Space | 47 |
| 380 | Defense | 48 |
| 390 | Law | 49 |
| 400 | Library and Information | 50 |
| 410 | Journalism | 51 |
| 420 | Advertising | 52 |
| 430 | Public Relations | 53 |
| 440 | Transportation | 54 |
| 450 | Communication | 55 |
| 460 | Recreation | 56 |
| 470 | Food and Nutrition | 57 |
| 480 | Health and Safety | 58 |
| 490 | Environment | 59 |
| 500 | Energy | 60 |
| 510 | Space | 61 |
| 520 | Defense | 62 |
| 530 | Law | 63 |
| 540 | Library and Information | 64 |
| 550 | Journalism | 65 |
| 560 | Advertising | 66 |
| 570 | Public Relations | 67 |
| 580 | Transportation | 68 |
| 590 | Communication | 69 |
| 600 | Recreation | 70 |
| 610 | Food and Nutrition | 71 |
| 620 | Health and Safety | 72 |
| 630 | Environment | 73 |
| 640 | Energy | 74 |
| 650 | Space | 75 |
| 660 | Defense | 76 |
| 670 | Law | 77 |
| 680 | Library and Information | 78 |
| 690 | Journalism | 79 |
| 700 | Advertising | 80 |
| 710 | Public Relations | 81 |
| 720 | Transportation | 82 |
| 730 | Communication | 83 |
| 740 | Recreation | 84 |
| 750 | Food and Nutrition | 85 |
| 760 | Health and Safety | 86 |
| 770 | Environment | 87 |
| 780 | Energy | 88 |
| 790 | Space | 89 |
| 800 | Defense | 90 |
| 810 | Law | 91 |
| 820 | Library and Information | 92 |
| 830 | Journalism | 93 |
| 840 | Advertising | 94 |
| 850 | Public Relations | 95 |
| 860 | Transportation | 96 |
| 870 | Communication | 97 |
| 880 | Recreation | 98 |
| 890 | Food and Nutrition | 99 |
| 900 | Health and Safety | 100 |
| 910 | Environment | 101 |
| 920 | Energy | 102 |
| 930 | Space | 103 |
| 940 | Defense | 104 |
| 950 | Law | 105 |
| 960 | Library and Information | 106 |
| 970 | Journalism | 107 |
| 980 | Advertising | 108 |
| 990 | Public Relations | 109 |
| 1000 | Transportation | 110 |

MASSACHUSETTS DEPARTMENT OF EDUCATION

UNIVERSITY EXTENSION DIVISION

TABLE VII

OFFICE OF THE DIRECTOR

BUDGET FOR AREA LOCATION AT MILFORD.

EXPLANATION:-

Allocations are made each year to each Supervisor and Assistants from the Appropriation for the -03 Account. To assist in these Allocations, it is necessary to have a Preliminary Budget set up for AREAS outside of the Greater Boston Area.

Five copies will probably be needed for each Area - The Director, Miss Garrity, Miss Ivaska, your Supervisor, and yourself. All copies will come to the Director for approval; Miss Ivaska will then encumber the Area Account for the amount approved by the Director; Individual Projects will still be made out, and charged against the total approved budget for the area by Miss Ivaska; this should not be exceeded.

Franklin P. Hawkes, Director

ACTUAL - Costs - \$8,536; Receipts - ~~104~~ Paid - \$6,850 + 104 Free @ \$19 = \$1,976.
~~104 Free~~

Period covered: Sept. 1963 to April, 1964.

I. INSTRUCTIONAL COSTS

| | | | | | |
|------------------|-----------|---|---------------|---|----------------|
| No. of Courses - | <u>1</u> | o | \$ <u>480</u> | = | \$ <u>480</u> |
| | <u>21</u> | o | \$ <u>216</u> | = | \$ <u>4536</u> |
| | <u>6</u> | o | \$ <u>135</u> | = | \$ <u>810</u> |
| | <u>1</u> | o | \$ <u>72</u> | = | \$ <u>72</u> |
| | <u>1</u> | o | \$ <u>60</u> | = | \$ <u>60</u> |

Total = \$ 5,958

II. PAPER CORRECTION

| | | | | |
|-----------|---|---------------|--------|----------------|
| <u>23</u> | o | \$ <u>40+</u> | Ave. = | \$ <u>1087</u> |
| | o | | Ave. = | \$ |

Total = \$ 1,087III. TRAVEL, INSTRUCTORS No. 8 times \$ 35+ Ave.Total = \$ 273

IV. AREA ORGANIZERS

| | | | | | |
|------------------|-----------|---|--------------|---|---------------|
| | <u>7</u> | x | \$ <u>21</u> | = | <u>147</u> |
| No. of Courses - | <u>23</u> | x | \$ <u>40</u> | = | \$ <u>920</u> |
| Supervision - | <u>63</u> | x | \$ <u>10</u> | = | \$ <u>630</u> |
| No. Evenings - | | x | \$ <u>5</u> | = | \$ |

G.E.D. TEST PROCTORS

6 nights @ \$7 = \$42; 2 schedules \$ 84Total = \$ 1,781

V. BUILDING SECRETARY

| | | | | | |
|--------------------|-----------|---|-------------|---|---------------|
| No. nights @ \$6 - | <u>74</u> | x | \$ <u>6</u> | = | \$ <u>444</u> |
| Librarian Sec'y - | | x | \$ <u>6</u> | = | \$ |

Total = \$ 444

VI. CUSTODIAN, or RENT

| | | | | | |
|--------------|-----------|---|--------------|---|---------------|
| No. nights - | <u>74</u> | x | \$ <u>5.</u> | = | \$ <u>370</u> |
| No. nights - | | x | \$ | = | \$ |

Total = \$ 370

VII. OTHER COSTS, not included above:-

| | | |
|--------------|---|---------------|
| A. Telephone | = | \$ <u>25</u> |
| B. Postage | = | \$ <u>40</u> |
| C. Materials | = | \$ <u>100</u> |

Total = \$ 165

Approved: Franklin P. Hawkes Director
 Date: 8-9-1963

GRAND TOTAL

= \$ 10,078

MASSACHUSETTS DEPARTMENT OF EDUCATION

UNIVERSITY EXTENSION DIVISION

BUDGET and ENROLLMENT ANALYSIS

TABLE VIII -- 1915-1964

| YEAR | I | APPROPR'N
II | NO. OF
POSITIONS
III | AUTHORITY
RECEIPTS
IV | AMOUNT USED
SUBSID. ACCTS.
V | AMOUNT LEFT,
CLASS INSTR'N
VI | ENROLLMENTS | | EXCESS RECEIPTS
TO STATE
II |
|--|---|-----------------|----------------------------|-----------------------------|------------------------------------|-------------------------------------|-------------|--------------|-----------------------------------|
| | | | | | | | PAID
VII | FREE
VIII | |
| 1915-16 | | \$ 50,672 | - | \$ 50,672 | \$ 43,038 | \$ 7,634 | 3,397 | - | - |
| 1916-17 | | 74,997 | - | 74,997 | 66,101 | 8,896 | 3,708 | - | - |
| 1920-21 | | 191,433 | - | 191,433 | 142,484 | 48,950 | 29,447 | - | - |
| 1925-26 | | 168,126 | - | 168,126 | 55,567 | 112,559 | 34,643 | - | - |
| 1930-31 | | 184,015 | - | 184,015 | 13,748 | 170,266 | 37,373 | 56 | - |
| 1935-36 | | 172,872 | - | 172,872 | 25,355 | 147,517 | 30,157 | 647 | - |
| 1939-40 | | 183,704 | - | 183,704 | 9,546 | 174,157 | 33,060 | 1,601 | - |
| (Figures adapted from 1941 Report - 25 years of University Extension.) | | | | | | | | | |
| 1950-51 | | \$291,340 | 40 | -- | \$ 31,427 | \$106,100 | 9,874 | 14,276 | \$126,545 |
| 1954-55 | | 311,925 | 40 | -- | 37,365 | 120,000 | 9,224 | 18,916 | 147,184 |
| 1955-56 | | 277,435 | 40 | \$125,000 | 59,405 | 152,500 | 11,571 | 19,984 | 25,401 |
| 1959-60 | | 242,771 | 55 | 305,000 | 64,490 | 240,510 | 21,351 | 22,507 | 34,951 |
| 1963-64* | | 299,844 | 58 | 400,000* | 122,857 | 277,050 | 15,125 | 8,838 | 9,438 |

* - Includes \$55,000 from Federal Funds for Civil Defense Adult Education.

LEGEND:-- In 1950-51, the Legislature appropriated \$291,340, including 40 positions, and authorized \$137,500 for promotion of classes (See Cols. I, IV, V). There were 9,874 paid enrollments, and 14,276 Free Instruction enrollments. There was turned back to the State \$126,545.

In Fiscal 1956, the State authorized the use of receipts without appropriation up to \$125,000 (See Column III). Enrollments increased (Cols. VII & VIII), and \$25,401 was turned back to the State.

By 1959-60, five persons were transferred from Veterans Administration for High School Equivalency purposes, and nine persons from Administration for Mailing Room Services, but the appropriation was reduced \$35,000 (Column I), although salary increases had been granted to all personnel.

In 1963-64, Supervision of Driver Education Classes and of Correspondence Schools was added, as well as 10% and 20% Salary Increases, but the Salary Appropriation is \$50,000 short. Hence, we see a reduction in enrollments - Cols. VII & VIII - and in money turned back to the State - Column IX. The State needs to appropriate the full amount for salaries - \$311,204 - first, in order to get adequate administration.

In 1954, the State Colleges took over their own Continuing Education Program on Campus from our Division. In 1960, Community Colleges were established, and were helped by the Division; as of 1963 they conduct their own program.

For the past five years, paid enrollments have remained steady at 15,000, while the number receiving free instruction has dropped from 13,000 to 8,000 (See Table III, and Cols. VII & VIII).

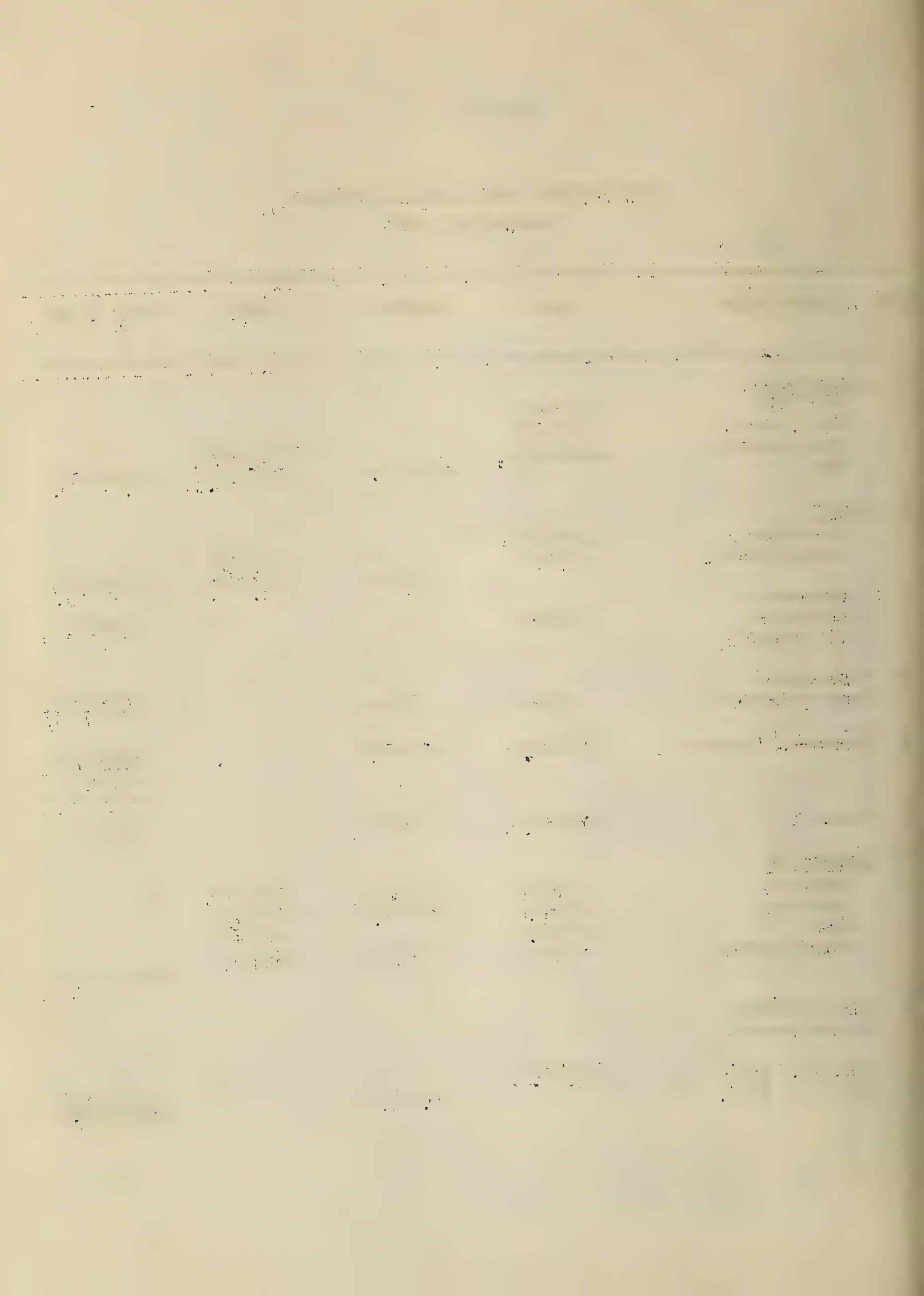
• The first of these is the fact that the first of the three main branches of the tree, the one which is the most important, is the one which is the most important.

TABLE IX

CIVIL DEFENSE ADULT EDUCATION PROGRAM

October 16, 1964

| ITEM | DESCRIPTION | CDAE | RAMONT | TOTAL | GRAND TOTAL |
|------|---|-----------------|------------|-----------------|------------------|
| IA | <u>Supervisors</u> | | | | |
| | Mr. Geary | \$8,970.00 | | | |
| | Mr. Clarke | 7,488.00 | | | |
| | Miss Fennelly | <u>9,454.00</u> | | \$25,912.00 | |
| | NEW | | \$7,488.00 | 7,488.00 | \$33,400.00 |
| B | <u>Clerks</u> | | | | |
| | Mr. Murphy | 4,048.00 | | | |
| | Miss Mutascio | 3,318.00 | | 7,366.00 | |
| | | | 3,318.00 | 3,318.00 | 10,684.00 |
| C | Organizers & Consultants
(600 classes) | 5,000.00 | | | 5,000.00 |
| D | State Share
Group Insurance | 750.00 | 250.00 | | <u>1,000.00</u> |
| E | Pro-rated Personnel | 3,500.00 | 1,000.00 | | <u>4,500.00</u> |
| | | | | | <u>54,584.00</u> |
| II | Travel | 2,400.00 | 800.00 | | 3,200.00 |
| III | <u>Operations</u> | | | | |
| | Equipment | 500.00 | 1,000.00 | 1,500.00 | |
| | Supplies | 7,500.00 | 2,500.00 | 10,000.00 | |
| | Rent | 3,000.00 | | 3,000.00 | |
| | Miscellaneous | 1,000.00 | 500.00 | <u>1,500.00</u> | |
| | | | | | \$16,000.00 |
| IV | Local Courses
Reimbursements | | | | |
| | 600 Cl. x \$72. | 43,200.00 | | | |
| | 100 Cl. x \$96. | | 9,600.00 | | <u>52,800.00</u> |
| | | | | | \$126,584.00 |



ANNUAL REPORT

Division of Vocational Education

Year Ending June 30, 1964

AGRICULTURAL EDUCATION
DAY SCHOOLS AND DEPARTMENTS

The State Supervisor conducted the 53rd Annual Professional Improvement Conference for teachers of Vocational Agriculture at the University of Massachusetts from June 29th to July 1st inclusive. The program was built around the theme "New Dimensions in Agricultural Education." Eighty persons attended the program. Dr. A. W. Tenney, of the Department of Health, Education, and Welfare, spoke on "New Dimensions in Agricultural Education."

At the Annual Summer Conference, six specialists from the College of Agriculture were used to highlight trends and changes in technical agriculture. Areas covered were animal science, agronomy, agricultural chemicals, forestry, horticulture, conservation and wildlife.

From the School of Education, Dr. C. V. Jones was used as a resource person on the subject of "School Community Relations and the Vo-Ag Man." Dr. L. F. Michelson from the Agronomy Department was the keynote speaker for the panel-forum on the topic "Improving Science Instruction for Vocational Agriculture Students."

Charles H. W. Foster, Commissioner of the Massachusetts Department of Natural Resources, was the guest speaker on the subject of "Rural New England in 1975."

From industry, Briggs and Stratton Company furnished an instructor for a thirty hour workshop on maintenance of gasoline engines. This company furnished each department a new engine for instruction purposes.

Three area meetings were conducted as inservice sessions for up-grading teachers. Special emphasis was placed on the provisions of the Vocational Act of 1963. Child Labor Laws, both Federal and State regulations, were reviewed for a better understanding.

A thirty hour course for employed teachers was conducted during August 5 - 9, 1963, at Walpole, on the "Care, Operation, and Maintenance of Small Gasoline Engines," of common usage in agriculture and horticulture. Fifteen teachers were in attendance.

Three district meetings for all Chapter FFA officers were devoted to leadership training on November 19th, December 6th and 17th. Participation in the District Parliamentary Procedures contests were included as part of each program. All chapters in the State were present.

The State Supervisor participated as a member of the consultant staff at the National Center for Advanced Study and Research in Agricultural Education at Ohio State University from July 22nd - August 2nd. His assignment was in the area of "Meeting Agricultural Education Needs in Urban Areas."

The State Supervisor served as chairman of a Youth session program in connection with the New England Electrification Institute.

Massachusetts was host to the North Atlantic Regional Conference in Agricultural Education from April 6 - 10 in Boston. The resource people from industry in Massachusetts were obtained for the program to point out competencies needed to fill available jobs in agriculture as seen by these employers. Landscape, agricultural processing, cooperative purchasing and marketing of agricultural supplies were occupational areas covered by the guest speakers. Special efforts were made during the past year to see that all schools called at least one meeting of their advisory committees during the year. Several situations have occurred this past year where the advisory committees have played an important role in retaining departments. Strong advisory committees have been most helpful in expanding some specialized types of instruction in agriculture.

Assistance was given M.D.T.A. in recruiting teachers with agricultural background, interviewing them and making recommendations regarding their qualifications.

The State University Audio-Visual Center made available to each vocational school a free film service to supplement instruction in agricultural education.

Technical training facilities at all three county agricultural schools are being enhanced by the construction of new science laboratories. The supervisor has been working closely with two other schools to help remedy deficiencies in facilities.

Post-secondary programs

Two vo-ag schools are conducting post-secondary programs. The Stockbridge School of Agriculture administered by the Trustees of the University of Massachusetts offers twelve majors with a restricted enrollment of 450 students. It has requested a quote of 750 students as many students have been turned away in recent years. Because this junior college level school is serving the State well, it does not appear feasible to establish a number of additional post secondary programs for full-time students. Instead it is more realistic for vocational education in agriculture to concentrate upon initiating special courses of varying length to train for some specific occupation such as greenskeeper, arborist, floral designer, laboratory technician, meat cutters, food and meat inspectors.

Program for adults

The most successful adult programs in the State take place in the county agricultural school where specialized teachers are engaged under ideal laboratory conditions. The greatest demand for instruction has been in the area of horticulture.

Much attention in the past year has been given to training for employment opportunities in agricultural occupations other than farming, and especially to businesses which service farmers and home owners in both suburban and urban areas. These businesses perform an important function in the economy of Massachusetts. Whereas there are 17,000 workers on commercial farms in the State in the area of agri-business there are 165,000 workers employed. Many of the jobs in this area of agri-business require only a high school education for beginning employment; others require post-high school or college education.

Training in off-farm agricultural related occupations for unemployed persons has been successfully accomplished in our county agricultural schools. These schools lend themselves ideally to specialized training in agriculture.

Vocations for which knowledge and skills in agricultural subjects are essential for gainful employment included: arborists, floral designers, operators of light and heavy construction equipment, landscape gardeners, and meat cutters. These programs have benefitted not only the individuals trained, but also the school, the teacher and vocational education in general.

New programs

Eight M.D.T.A. programs in agriculture were successfully conducted at Essex and Norfolk Schools. Occupations for which training was given were: arborist, meat cutter, floral design, ornamental horticulture, light and heavy agricultural equipment operators.

Youth organizations

Membership in youth organizations increased during the past year. These organizations continue to serve as an important part of the total training program in developing leaders and citizens. The award program was taken advantage of on the local, State, regional, and national levels. Participation in competitive contests was especially good from the local to the national level where our teams made very favorable showings.

Research and Studies

A State-wide study was undertaken to determine the employment opportunities and needed competencies in agricultural occupations other than farming in Massachusetts. In a progress report it was pointed out that employees studied were classified into 216 separate job titles. These were condensed into 111 job titles to facilitate data processing. Many employers of agricultural workers require higher skills and competencies for advancement than they do for entry into jobs. This indicates a need for education of workers after they enter agricultural occupations. In addition to needed competencies in technical agriculture many employers stated that their workers required non-agricultural competencies in the performance of their jobs. The results of the study will be available for distribution in 1965.

Joint activities

In the area of post-secondary programs and adult education three county agricultural schools are utilizing the services of distributive education to provide clinics in horticultural business, floral design merchandising of agricultural products. This approach to meeting the needs of those engaged in agri-business should be utilized to a greater extent.

During the past year, excellent relationship and spirit of cooperation has been in evidence working with other agricultural agencies and services. Joint activities have been conducted with the following: University of Massachusetts - School of Education, University of Massachusetts - College of Agriculture, County Cooperative Extension Service, State Department of Agriculture, Employment Security - State and Districts, Eastern States Exposition, and State Grange.

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Activity of the required advisory committees have been stepped up during the past year through a special effort made to have at least one session a year. No State advisory committee has yet been appointed.

Program interpretation and promotion.

The brochure "Agriculture is More Than Farming" was distributed in quantity to school administrators and school committees. A total of 500 were used effectively to help interpret the new opportunity to train for any agricultural occupation. It has been observed that each school was more active in extending public relations activities.

New legislation - Chapter 71 of the General Laws was amended to make it mandatory for pupils and teachers to wear eye protective devices while attending classes in vocational shops in which exposure might have a tendency to cause damage to the eyes. An act providing for the employment of teachers retired from county schools as substitute teachers.

Proposed legislation - will be sought to exempt a student learner from the severe State Child Labor Laws applying to employment in agriculture when on approved placement training for occupation experience.

TRADE AND INDUSTRIAL EDUCATION

BOYS AND MEN

The Annual Summer Conference for Directors and teachers was held at Fitchburg State College, from June 22 - 26, inclusive. This Conference is organized into a series of workshops and inservice programs each of thirty clock hours' duration which are designed to fit the needs of teachers employed in State-aided Day Vocational Schools throughout the Commonwealth. Each trade or occupation has its own specific workshop in which representatives from industry discuss with each of the respective groups new trends and developments that are taking place in industry. Also, outstanding instructors discuss with these groups problems that are continually rising in the processes of teaching.

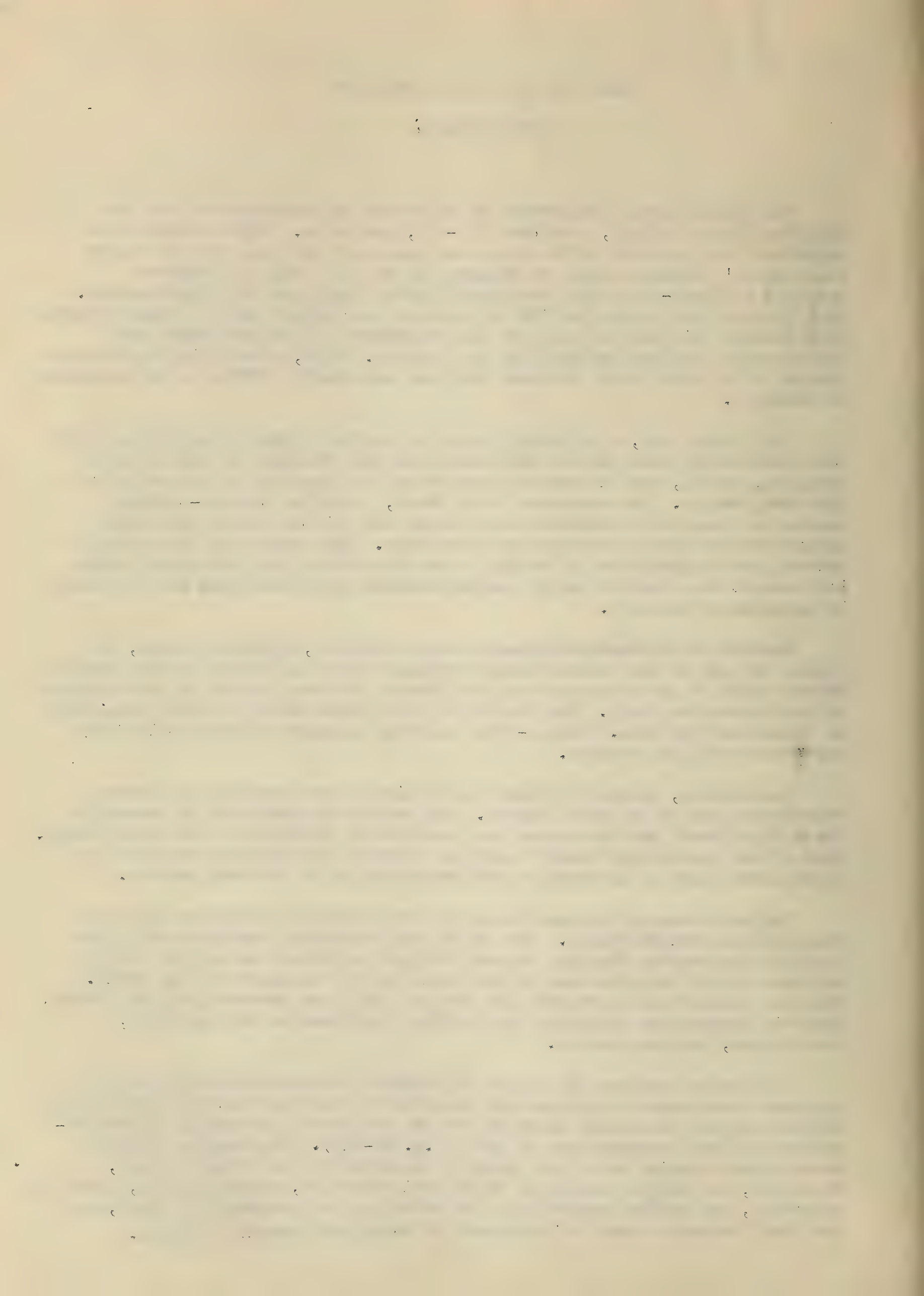
Again this year, a refresher course in teacher training was provided for the three trades that had not previously had the advantage of this type of training, namely, the Electrical teachers and the teachers of Automotive and Auto Body Repair. The success of this short, intensive teacher-training course has been most pronounced even though only fifteen clock hours were offered by the teacher trainer for each trade. Many inservice teachers with several years experience in teaching have stated that this refresher course has brought them back to basic teaching methods which sometimes are overlooked by experienced teachers.

Teachers of Automotive Mechanics were fortunate, again this year, in having the use of the General Motors Training Center in Dedham and the General Motors staff of instructors to up date them on the new devices and developments in the Automotive field. The feature of the program this year was instruction on transistor ignition. Eighty-five inservice teachers attended this forty clock hour training program.

In addition, courses in Front End Alignment were provided by factory representatives of the Bear Company. One course was conducted at Somerville Trade High School and one course was conducted at Leominster Trade High School. Each of the courses had twenty inservice teachers enrolled and consisted of forty clock hours of instruction and demonstration of the Bear machine.

The main theme of the conference for the teachers of Machine Shop was Numerical Control Machining. One day of the conference consisted of a plant visit to the General Electric Company in Lynn to inspect one of the largest and most recent installations of numerical control equipment in the world. This was followed by a presentation the next day from personnel of the General Electric Company who described the training requirements for operators, technicians, and programmers.

A Guidance Workshop for junior high school counselors and directors of Guidance from general education was conducted by the Supervisor of Occupational Information and Vocational Guidance for the purpose of discussing the ramifications of the Vocational Act of 1963 (P.L. 88-210). This course entailed occupational studies and a job analysis conducted at the Norton Company, Worcester, as well as studies of Vocational Education, apprenticeship, technical education, and health occupations; the selection and placement of youth, and the Ford Foundation study of placement of vocational school graduates.



General assemblies were held each day of the conference with outstanding speakers from business and education.

Conferences were held with officials of the General Electric Company on proposed changes in the Apprenticeship Program. Both the Lynn Plant and the Pittsfield Plant held separate conferences on this matter. It was brought out by the Supervisor of Apprentice Training at Pittsfield that the company is giving serious consideration to the reduction of their Apprenticeship Training Program, from four years to two years and using State-aided Day Trade School graduates as enrollees. He proposed granting two years Apprenticeship Training credit to trade school graduates who were prepared specifically for the skilled trades, i.e., toolmaking, electrical, patternmaking, etc.

Another phase of the proposed change in this program would be the preparation of graduates of the 13th and 14th year technical course to receive two years of Apprenticeship Training with the objective of being employed as technicians upon completion of this course.

An extensive survey was conducted by one of the State Supervisors to ascertain training needs of craftsmen in the area of Nuclear Technology. Education and industry were contacted in the search for this information. At the present time there appears to be little or no need of special training on the trade level to perform work in situations where nuclear power is being used except in the trades of Welding and Pipefitting where there is a definite need for this specific type of training.

In the establishment of new courses or schools in the Commonwealth, one of the basic requirements by the State office is that the local school authorities make extensive use of the local advisory committees. This practice is being followed constantly in the organization of new schools and courses and in the operation of on-going schools and courses.

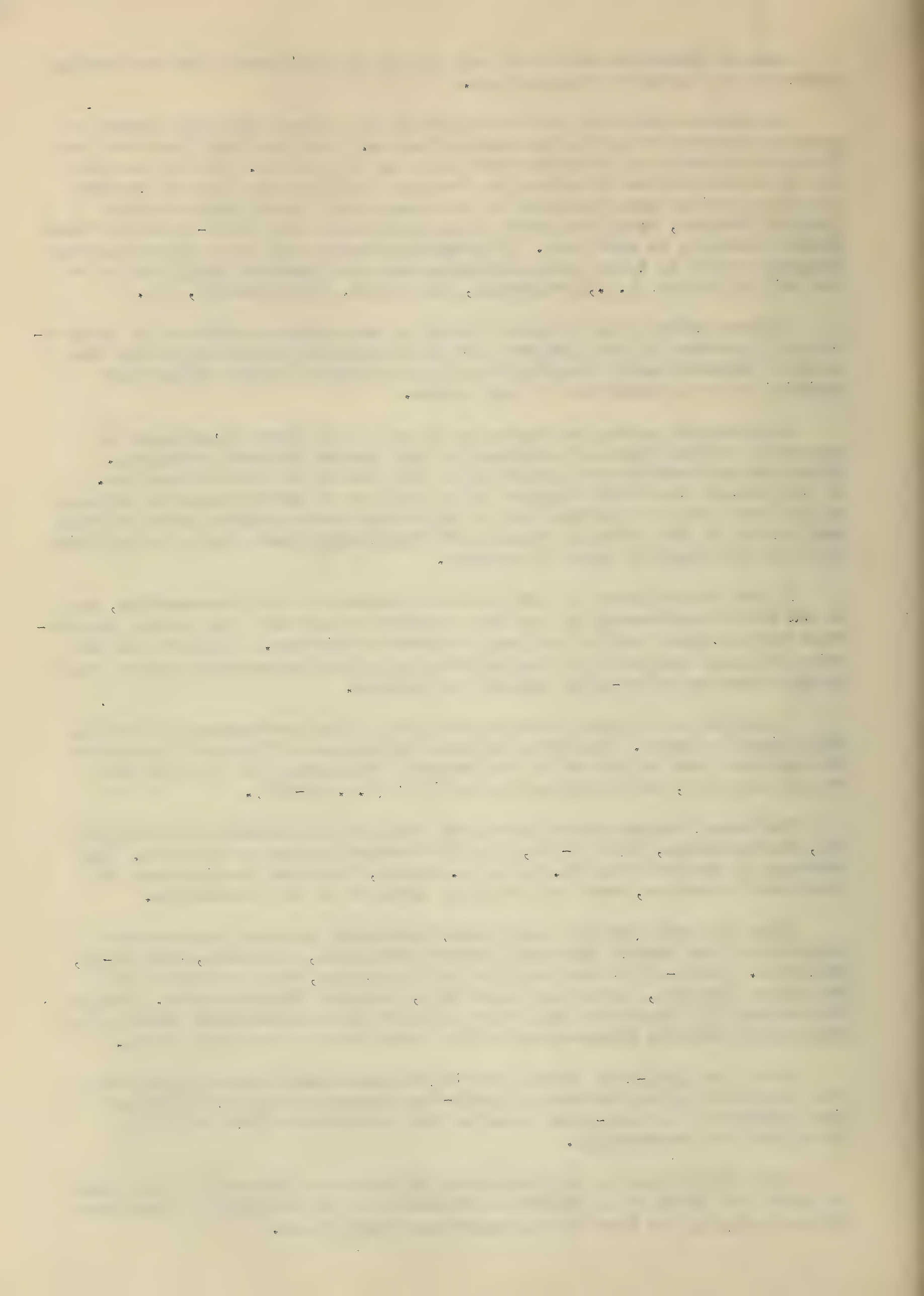
A conference of local directors was held at the new Weymouth Vocational High School in March. The State Director and members of his staff discussed the problems that had arisen in the Manpower Development and Training Act Program and also, the Vocational Act of 1963 (P.L. 88-210).

The Annual Massachusetts Vocational Association Conference was held in Lee, Massachusetts, May 15 - 16, with the Western Chapter as the host. The Governor of the State and Dr. Walter M. Arnold, Assistant Commissioner of Vocational Education, were the principal speakers at this conference.

Three one week (thirty clock hours) leadership training courses were conducted at the Annual Vocational Summer Conference, Fitchburg, June 22-26, inclusive. Forty-eight were enrolled in this course, which consisted of Instructor Training, Conference Leadership, and Work Simplification. Persons who successfully completed this course will be used as Conference Leaders for Supervisory Training Programs during the coming year as the need arises.

During the 1963-1964 school year thirty supervisory training programs were conducted for approximately thirty-four companies with approximately five hundred and seventy-seven enrolled and conducted in fourteen cities throughout the Commonwealth.

State Supervisors in the Vocational Division are frequently called upon to assist the Division of University Extension in the evaluation of persons who are applying for High School Equivalency Certificate.



The Division of Audio Visual Services and the Library Division contributed their services when needed to the Division of Vocational Education. Excellent cooperation is maintained with all Divisions in the State Department of Education.

Close relations are still maintained with the Division of Teacher Certification and Placement in reference to certification of teachers of academic subjects.

Supervisors of the Division of Vocational Education serve on committees for secondary school evaluation by the New England Association of Colleges and Secondary Schools.

The State Division of Vocational Education maintains its own staff of teacher trainers. All teacher training is conducted by members of this staff. Proper facilities are available at all time.

All day trade classes are in session at least six clock hours a day and thirty clock hours a week. There are a few schools, however, which are in session more than six clock hours a day in order to provide an extra hour for up-grading pupils in Science and Mathematics.

One new regional vocational-technical school is planning on conducting a seven and one-half clock hour day in order to provide adequate instruction in Mathematics and Physics for pupils on the secondary school level.

In the trade and industrial secondary schools, most programs are operated on the alternate week basis whereby the pupils spend one week in shop and one week in related and academic work. An experiment has been made in one school where instead of an alternate one week basis, the program was operated on an alternate two week basis whereby pupils were in shop for two consecutive weeks and in related and academic work for two consecutive weeks. According to the director of this school, the program has worked out most successfully.

In Chicopee and in Everett the programs are the other extreme whereby the pupils are in class three clock hours and in shop three clock hours each day. Reports indicate that this arrangement in these two schools is working out satisfactorily.

The part-time cooperative school pupils in the senior class are allowed to spend one week in a part-time cooperative industry and the alternate week in school for related and academic instruction.

In the schools where 13th and 14th grade instruction is offered, the objective of all courses is to prepare students as technicians for entrance into technical occupations. The most popular field in technician training is the field of Electronics with Machine Design Technology following closely behind, also, Mechanical Technology, Metallurgy, and Data Processing in that order.

Technical training for girls is offered in Practical Nurse Education and Other Health Occupations, e.g., Medical Assistants, Medical Technologists, Operating Room Technicians, Dental Assistants, etc. Requests for training in the Foods Trades are on the increase and it is anticipated that within the next few years many courses will be offered in this field, particularly in the new proposed regional vocational-technical schools.

Practically all the Adult Education Programs are offered in the evening as trade extension programs for up-grading persons employed in the trade during the day.

In five different centers in the State, Type C Trade Preparatory Courses have been established to provide the opportunity for persons to be trained in a trade which otherwise they would be unable to do unless they were to be enrolled in private trade schools. In this Type C Program training is offered for preparing detailed draftsmen and unit machine tool operators.

State Supervisors are constantly reviewing curriculums and courses of study for the purpose of keeping the training offered abreast of industry. It is hoped that with the new Vocational Law a section on curriculum development will be established in the Division of Vocational Education with Supervisors charged specifically with the responsibility of developing new curricula.

During the past year no new buildings for housing Vocational Education programs have been completed. However, construction has started on the Greater Lawrence Regional Vocational-Technical School and a site has been selected for the Blackstone Valley Regional Vocational-Technical School with construction to get under way shortly. The Quincy city and school officials have approved the construction of a \$5,000,000 Vocational-Technical School in that city. The new Beverly Trade High School will be occupied this coming September for the first time, and the new building for Springfield Trade High School Technical Institute will also be ready for occupancy to its full capacity this coming September.

Many new programs have been established and operated successfully under the Manpower Development and Training Act and the Area Redevelopment Act.

Recruitment of teachers in certain areas still remains difficult particularly in the areas of Graphic Arts and Machine Drafting, even though there has been a slight improvement in the recruitment of Machine Drafting teachers. There has been a definite improvement in the recruitment of teachers in Electronics during the past year due to the extensive lay-off of employees from the Raytheon Company.

There has been no need for an organized program for recruitment of teachers. The State Division of Vocational Education has scores of qualified teachers on file who have completed the teacher-training requirements but have refused to accept a teaching position due to the low starting salaries offered by many communities. These starting salaries are not high enough to compete with those offered in industry.

The State staff of teacher trainers meets with the Assistant Director four times a year to discuss contents of the present teacher-training courses and to recommend revision to strengthen teacher education curricula. New teaching methods and techniques are also recommended as a result of these conferences.

Private Trade Schools

Under the private trade school law, General Laws, Chapter 93, as amended, work was continued during the reporting year, July 1, 1963, to June 30, 1964, in the following categories:

- (1) Processing of applications for new schools for licenses.
- (2) Processing of applications for annual license renewals.

- (3) Investigation and resolution of student complaints.
- (4) Answering oral and written inquiries for information about educational opportunities offered by both public and private schools.
- (5) Evaluation of new and revised courses of study.
- (6) Checking and evaluating progress of enrolled students, in both day and evening classes.

The number of licensed schools, on June 30, 1963, for each of the four reporting periods is:

1961 - 42 schools
 1962 - 41 schools
 1963 - 41 schools
 1964 - 37 schools

During the current reporting year:

Four schools discontinued operation.
 One school changed its corporative structure.

Analysis of license fees received:

| | |
|------------------------------------|------------------|
| 1 original license @ \$100. | \$100.00 |
| (East Coast Aero Technical School) | |
| 36 renewal licenses @ \$50. | 1800.00 |
| | <u>\$1900.00</u> |

Two new schools have submitted firm requests for approval under the private trade school law; one for dental technician and the other for shoe technology. Final disposition and resolution of these requests will be made prior to September 1, 1964.

A legal suit brought by five day students against a licensed school was resolved by a court settlement and the finding of a judgment against the school of three thousand seven hundred and fifty dollars (\$3,750.00).

Several modifications of existing approved courses of study were evaluated and approved.

Surplus Property

During the fiscal year we distributed to the eligible units in Massachusetts \$13,270,443.71 of surplus government property for use in their programs.

A large part of this consisted of such material as bar and sheet stock, electronics, electrical and mechanical supplies, machine, sheet metal and welding tools and machines, office and classroom equipment and laboratory supplies for use in the vocational and technical programs.

AREA VOCATIONAL EDUCATION

Status and Development of Vocational and Technical Programs

The main categories of training pursued as N.D.E.A. programs in the field of trade and industry were: Mechanical, Electrical, Electronics, and Data Processing. In these, there are many specialties organized as complete courses such as Machine Design, Transistors, etc. They were successful to a good degree in meeting the objectives of Technical Training.

Prior to recommendation of organization of a technical program, surveys are conducted by the State Office to ascertain a realistic picture of the needs of the community or area.

It has been the experience in Massachusetts that the most efficient and successful vocational-technical educational programs are those which operate separately from the academic high school programs.

The area of Data Processing has expanded with the installation of two more programs, one in Arlington and one in Worcester. In that this is new and now totals three programs in Massachusetts, it has the greatest expansion in terms of percentage. The electronics area continues to expand with new programs opening in Boston, Beverly, Marlboro, and North Adams, and additional programs scheduled for three proposed regional schools. No contraction is noted in technical education.

These programs are continually supervised by State personnel with the objective of maintaining competent instructors and up-to-date curricula and equipment.

It is hoped that legislation to implement the State plan will provide for continued growth and expansion of the technical programs and permit the granting of the degree of Associate in Applied Sciences in some areas.

Under consideration are programs in structural design on the post-secondary level at Weymouth, mechanical technology at Springfield which will possibly include instruction in programming for numerical control and additional evening trade extension courses to upgrade workers in the area of numerical control.

No definite progress has been made to alleviate persistent unemployment by the establishment of technical training courses in Massachusetts.

Secondary school programs are being carried on successfully in Arlington, Leominster, Lynn, Medford, New Bedford, Pittsfield and Springfield in the fields of Electronics and Machine Drafting for immediate entry to industry or preparation for entry to the 13th and 14th grade program in Vocational-Technical Schools.

North Adams has applied for approval of a Basic Electronics course on the secondary school level to begin in September 1964.

Post-secondary programs in Springfield and Worcester have expanded to such an extent that Springfield has constructed a new building to house the technical program and have Mechanical Technology and Metallurgy courses added to their present curriculum. Worcester is constructing a new building at a cost of approximately one and one-half million dollars which is expected to be ready for occupancy in early 1965.

Considerable interest is being shown by the Regional School District Planning Committees in post-secondary school programs.

In Pittsfield courses were conducted for General Electric in the evening for apprentices in Machine Drafting, Toolmaking and Electrical fields.

TRADE, INDUSTRIAL, AND HOME MAKING EDUCATION

GIRLS AND WOMEN

The Annual Mid-Winter Conference of Local Directors was not held this year, having been postponed from month to month anticipating that full information might be available concerning the implementation of P.L. 88-210.

The State Director of Vocational Education called an all-day meeting on February 13, 1964, of the Directors of the Trade High Schools for Girls, the Department Heads of the all-day Vocational Homemaking Schools, and of the State Supervisors of Trade and Industrial Education for Girls, of Home Economics Education, of Distributive Education, and of Practical Nurse Education and Other Health Occupations. The purpose of this meeting was to project ideas and suggest ways of implementing P.L. 88-210 (Vocational Education Act of 1963). This meeting was held at the Henry O. Peabody School, Norwood, with about eighteen (18) persons participating in the discussions.

The 1964 Annual Vocational Summer School Conference was held at State College, Fitchburg, from June 22nd to June 26th, inclusive. The theme of the Conference was Trends in Trade Education for Women and Girls in Industry.

A meeting of the Advisory Committee for the Type C - Trade Preparatory Courses in Power Stitching was held at the Boston Trade High School for Girls in March 1964 to evaluate the four short-unit courses which operated during 1963-1964. Forty-seven women completed the 120 hours course, all but two of them were placed successfully in positions as power stitchers.

An innovation of Advisory Committee meetings was initiated at the Springfield Trade High School in the form of a Hair Styling Contest held in both the senior and post-high Beauty Culture Departments on April 27, 1964. Members of the Advisory Committee served as judges for the contest, which was preceded by a meeting and coffee hour. At the meeting, points of judging were discussed and it was recommended that each entry be judged on a point basis for execution, adaptability, and style. The model's hair was shampooed, set, and dried with twenty minutes allowed for the comb out. The hair style was to have a smooth finish, be simple, and suitable for everyday living.

A State Supervisor of Trade and Industrial Education (Girls and Women) as well as a State Supervisor of Trade and Industrial Education (Boys and Men) met with a representative of the Office of School Lunch, the local Director of Vocational Education, equipment consultant, and architects planning the physical facilities for the Greater-Lawrence Regional Vocational-Technical High School. These particular conferences were concerned primarily with the space requirements, lay-out, and equipment needed for the proposed Food Trades Department, the cafeteria kitchen and dining areas.

The Barnstable Vocational High School is in the process of planning a new wing which will make possible a more diversified Vocational Education program. In this connection, the two Supervisors of Trade and Industrial Education (Girls and Women) met with the Superintendent of Schools, the local director of Vocational Education, representatives of the local Chamber of Commerce, members of the State Board of Registration of Hairdressers, hairdressing shop owners, and others to explore the need for and possible interest in a State-aided Vocational Education program in Beauty Culture. Because of the highly seasonal employment opportunities in hairdressing shops on Cape Cod (about eight weeks

during the Summer), the Board of Registration members did not encourage the organization of a new hairdressing school in this area. Such meetings are good public relations and help to present the possibility of a new type of training program from many points of view.

Similarly, the several State Supervisors (women) met in Fall River with the local Director of Vocational Education and others to discuss the pros and cons of possible programs for girls and women in the areas of Trade and Industrial Education, Distributive Education, Practical Nursing and Other Health Occupations in the Fall River Regional Vocational School, presently being planned. This school is to serve Fall River, Swansea, Somerset, and Westport according to present plans.

A tour of existing facilities at Worcester State Hospital and Cushing Hospital, Framingham, was made by Supervisors of Trade and Industrial Education (Girls and Women), of Practical Nurse Education and Other Health Occupations, and of M.D.T.A. programs with the thought of using facilities for M.D.T.A. Food Service Training and Health Service Programs.

The Division of Vocational Education has continued to work closely with the Division of Teacher Certification and Placement in the case of teachers who seek certification as well as approval as vocational teachers and also with the Division of Library Extension.

All of the trade programs in the Girls' Trade Schools are organized as Unit Day Trade Schools. There are no programs for girls operating on a cooperative basis at the present time. The minimum age and grade attainment for entrance vary in the several trade programs, in order that the pupils may meet the minimum age requirements for employment in their specific area upon the satisfactory completion of their trade training.

An interesting experiment was tried in the Boston Trade High School for Girls this year in order to lessen the drop-out problem which in many cases is due to the discouragement of the pupils. Two divisions of freshmen girls and one division of sophomore girls were discovered to have very limited reading ability and comprehension, and hence, were doing poorly in practically all their academic and related classes. For a period of eight or nine weeks these girls were taken from their regular English classes and assigned to a remedial reading class (meeting one period daily) with an academic teacher who had been specifically trained for this type of corrective work. The records of these pupils will be watched to determine the effects of the remedial reading unit, and the retention of these pupils in school.

The Henry O. Peabody School in Norwood has continued to emphasize public relations. About fifty-five members of the Guidance Association in the county attended an afternoon meeting held at the Trade School at the request of the Guidance Counselors. The group had a conducted tour of the building in order to see the fine physical facilities. After the tour, the Director talked to the members of the group and subsequently answered many questions. As a result of the Guidance Counselors having received more up-to-date information and a better understanding of the several trade training programs available, more and a better type of pupil has been directed to this school.

The trend to favor post high school pupils in Beauty Culture, especially (and also in Practical Nursing and Other Health Occupations) has continued. Apparently due to the increasing number of Hairdressing Schools (public and private) the number of available graduates has sometimes exceeded the demand. Therefore, the feeling is growing that the Trade Schools should show preference to high school graduates who are apt to be more seriously job motivated, because of their maturity and educational background. The Boston Trade High School, however, is presently serving only the high school girls on the eleventh and twelfth grade levels.

Again the Boston Trade High School for Girls offered four short-unit courses in Power Stitching to groups of adult women who had been tested by the Federal Employment Service to determine those women who had finger dexterity and thus gave promise of success and those who had a serious job objective.

The Short-unit Type C - Trade Preparatory Course in Power Stitching was offered again this year in Fall River and in Springfield. Such short unit courses seem to fill a local need for training a relatively few women for local job opportunities.

Again the Springfield Trade School offered a short School Food Service Course (Trade Extension) to a group of newly employed workers in the School Lunch Programs in the area.

The recently established Charles H. McCann Regional Vocational High School in North Adams has shown further growth and improvement. The enrollment has increased somewhat in most departments. The addition of a second Hairdressing teacher has made it possible to strengthen the instruction and organization of the Beauty Culture Department.

There have been few changes in the teaching personnel except as teachers have reached the retirement age, or have left for health reasons. This has been fortunate in view of the critical shortage of qualified teachers.

In view of this shortage, trade schools have been urged to review their graduate lists with a view to discovering some potential teachers. Through individual counseling and guidance, a few of the graduates can be encouraged to build up their educational background and trade experience to the point where they may meet the minimum qualifications.

Likewise, the State Supervisors interview and counsel other interested persons who aspire to become qualified to teach in State-aided Trade Schools for Girls.

The lack of interested, qualified persons to teach in the Food Trades programs is becoming of increasing concern. Several new Food Trades Departments are being contemplated, but where to find qualified, capable trade teachers presents a real problem. The need to replace several of the Food Trades teachers in the near future, as well as the possible organization of Food Trades programs in the new schools being planned, emphasize the need for a strong recruitment program.

The new women trade teachers have continued to be assigned to the teacher-training classes for men (120 clock hours required in the basic course). This arrangement has been tried out for the past few years most successfully, and to the mutual satisfaction of all concerned. In fact, such an organization helps to emphasize the teaching methods and lesson steps most effectively. Heretofore, the women teachers have met in a separate course even though the classes have been small.

The State Supervisor of Adult Homemaking is a member of the Board of Directors for the Massachusetts Consumer Association. Through the efforts of this Association, the Governor's Consumer Council was organized. These Associations follow-up on new legislation affecting the economics of the homemakers. She is also an honorary member of Phi Upsilon Omicron International Honor Fraternity for Home Economists. This group had a meeting at the American Home Economics Association convention at Kansas City.

The State Supervisor is President of the National Association of State Supervisors of Home Economics. This group meets annually in conjunction with the American Vocational Association Convention.

During the year, the State Supervisor was in charge of demonstrations at the annual United Community Services 60⁺ Program. There were approximately twenty-five (25) demonstrators in the field of Clothing (alteration), Foods (meal planning), Rug Making, Knitting, Furniture Refinishing, Tray Painting, Wood Carving and Enameling. These demonstrations were viewed by approximately 5,000 persons.

The State Supervisor prepares a Newsletter in the spring and in the fall for distribution to the one thousand (1,000) teachers of adult homemaking throughout the state.

The audiovisual service of the State Department of Education is cooperative in lending films and equipment for conference. Complimentary material received by the Supervisor is made available to teachers throughout the Commonwealth where requested.

Candidates for teaching adult homemaking who do not have the required high school education are referred to the State High School Equivalency Program in the State Division of University Extension. Many teachers avail themselves of this service to obtain their high school equivalency certificates. The State Supervisor cooperates in evaluating work experience towards high school credit. Evening school teachers who wish to go on to college are guided in their choice of curriculum.

Throughout the Commonwealth there are 135 communities which offer adult homemaking programs. There are 12 communities making plans to establish a program in the near future. Approximately 38,000 attend these classes which are taught by 1,543 instructors.

Periodic conferences with local Advisory Committees provide opportunities for revising curricula to strengthen the entire program in order to meet the needs in specific communities.

Teacher-training classes were conducted at Waltham with 19 enrolled and at State College, Fitchburg, with 67 enrolled.

Ten (10) delegates and three (3) Chapter Advisers are to attend the National F.H.A. Convention in Chicago in July 1964. Participation in many worthwhile activities has made it possible for the Chapters to raise enough money to finance the travel expenses of these delegates.

The State Supervisors of Home Economics, who are also State Supervisors of Trade and Industrial Education (Girls and Women), work closely with the State Supervisors of Practical Nurse Education, with the State Supervisor of Adult Homemaking Education, and with the State Supervisor of Distributive Education in the further development of the total Vocational Education program for girls and women.

The Vocational Homemaking Department in Worcester has been instrumental in placing several girls in part-time jobs. In some instances, the pupils did so well they were called back several times to help at parties or other functions.

The Adult Homemaking teachers workshops were held as follows: Springfield - General workshop for teachers of dressmaking with an enrollment of nineteen (19); Workshop in Contemporary Color and Design for teachers other than those employed in the clothing field. Twenty-six (26) teachers were enrolled in this course.

The Annual Vocational Conference and summer school was conducted at State College, Fitchburg. The program for teachers of Adult Homemaking stressed methods of teaching, current technical skills and knowledge, and updating teachers on new trends and developments in the adult homemaking field. Included in this Vocational Conference, workshops were conducted for Development of Contemporary Design, Care and Repair of Furs, Nutrition, Knitting, and Millinery. The conference included a refresher teacher training course for all teachers.

The Nutritionist from the Massachusetts Department of Public Health worked with teachers of foods in classes for adults. New resource materials and up-to-date findings in the field of nutrition were made available, including consumer education for the homemaker and ways and means of lowering food bills, weight reduction, etc.

Representatives from McCall Patterns, the Boston Museum of Science, New England Dairy and Food Council, Arnold Bakers, city department stores, yarn stores, candy stores, insurance companies, interior decorators and some of the larger stores discussed their particular features in their respective fields.

Field trips were conducted to manufacturing plants, craft museums, and art museums.

The State Supervisor of Adult Homemaking attended (on invitation) meetings of local school committees and advisory committees, to discuss expansion and revision of programs already in operation. Fourteen (14) communities contemplate the establishment of Vocational Adult Homemaking programs.

As a result of this meeting, we plan to make several changes in our Homemaking Education Program for the coming year. For example, we shall place more emphasis than we have previously on the role of the husband in the young marriage; more emphasis on the Nursery School aged child in our Child Care classes; and will initiate a program of teaching with a view to stressing certain skills that could be used for part-time employment during busy times in the business world.

A State Supervisor of Home Economics Education attended the fourth (4th) annual "Family Life Conference" sponsored by the Cooperative Extension Service of the University of Massachusetts. There were approximately two hundred (200) persons in attendance representing social agencies, educational institutions, P.T.A. groups, and community organizations.

The State Supervisors of Home Economics have continued to work with the State Supervisor of Occupational Information and Vocational Guidance following the occupational surveys which have been made to determine the need for possible Regional Vocational Schools, especially. Consideration has been given to the need for Home Economics programs as well as Girls' Trade and Industrial Education programs.

The State-aided Vocational Homemaking Education program, organized as a department in the public high school has again this year operated in thirty-eight (38) high schools. In some areas, the enrollment has shown some increase over the past few years, but the response has been poor in certain schools. The tendency to drop out of school, especially for early marriage, indicates the need to offer this program on the freshman-sophomore, or sophomore-junior years, preferably.

There are also, nine (9) all-day Vocational Homemaking Schools in operation in nine (9) communities. These schools offer an intensive homemaking education program, which may be a terminal course, or may lead to highly specialized training in a Girls' Trade and Industrial School.

The State Supervisors, at the request of the Superintendent of Schools, have conferred with school administrators in Framingham, and in the Tahanto Regional School District (Boylston), to explain the details of organization, purposes, reimbursement, etc., of a possible State-aided Vocational Homemaking Education program in these areas.

It is gratifying to report that two (2) new Chapters affiliated with the Massachusetts Future Homemakers of America this year, in Southwick and in Weymouth. Owing to a combination of factors resulting in the necessity of a two-session program in the Saugus High School, this F.H.A. Chapter has not been able to function actively this year. Therefore, there have been fifteen (15) affiliated F.H.A. Chapters this year with a membership of five hundred and five (505) girls; an increase of about forty (40) members over the previous year.

The Spring Meeting of the Massachusetts Future Homemakers of America was held at the Quincy High School on May 9, 1964. The theme of this meeting was "Our Heritage - a Guide to New Horizons." Most of the business of the Association including the election of new officers was held during the morning session. This freed the afternoon for a sight-seeing trip to points of historical interest including a trip to Christ Church, where the bodies of two former Presidents - John Adams and John Quincy Adams and their wives - are interred, and a visit to the Quincy Mansion. This meeting was attended by one hundred and thirty (130) F.H.A. members and nineteen (19) adults, representing eleven (11) of the fifteen (15) chapters.

Adult Homemaking and Craft

The Annual Conference for Vocational Home Economics personnel was held on October 18, 1963, as Dr. Margaret Alexander of the U. S. Office of Education was available to visit in Massachusetts at that time. Dr. Alexander's keynote speech in the morning session was "The Challenge of Change," followed by a discussion and question period. In the afternoon, the President of the Massachusetts Future Homemakers of America gave an interesting report on the "Highlights of the 1963 National Convention of Future Homemakers of America." Also, a panel discussion was held on "Continuing Education," including the State Supervisors of Practical Nursing and Other Health Occupations, of Trade and Industrial Education (Girls and Women), of Adult Homemaking and Crafts, and of Teacher Education.

The Annual Vocational Summer School Conference for Teachers in Home Economics Education was held at Fitchburg State College, June 22 - 26, 1964. The theme of the morning session was "Focus on Concepts and Generalizations," led by Marion H. Brown, State Teacher Educator (Home Economics Education), University of Vermont. The major theme of the afternoon sessions was "Understanding the Adolescent" under the leadership of Achille Joyal, Assistant Psychologist, Worcester State College.

There were approximately seventy-five (75) home economics teachers (both Vocational and General Home Economics) in attendance at this week's Conference, most of whom appreciated the program offerings and participated in the discussions in varying degrees.

The State Director of Vocational Education called an all-day meeting of the Heads of the all-day Vocational Homemaking Schools, the Directors of the Girls' Trade and Industrial Schools, and the several State Supervisors (women) on February 13, 1964. This meeting was held at the Henry O. Peabody School, Norwood. The State Director reviewed the provisions of P. L. 88-210 (Vocational Education Act of 1963) and stressed the added responsibilities all in Vocational Education must assume in order to implement the provisions of this Act in the training of different groups for gainful employment.

A meeting of the Advisory Committee for the Springfield Homemaking School was held toward the end of the school year (May 27, 1964) in order to evaluate the Homemaking program and make recommendations for the further strengthening of this program. The members of this Advisory Committee have been well chosen in terms of having an interest in, and knowledge of the Home Economics Education program. This Advisory Committee included:

- Homemaker and Past President of the Massachusetts Parent-Teachers Association
- Supervisor of Home Economics, Springfield Public Schools
- Nutritionist and Dietician, Wesson Memorial Hospital
- House Manager, Springfield Day Nursery
- Home Economist, Western Massachusetts Electric Company
- Home Economist, Springfield Gas Light Company

A pilot program of "Homemaking Service" in the Evening Trade Extension Division of the Fanning Trade High School, Worcester, has been given State Approval. A twenty hour, ten session program is being planned with professional homemakers now employed by local social agencies, as the students.

The State Supervisors of Trade and Industrial Education (Girls and Women) and the State Supervisors of Practical Nurse Education have continued to work cooperatively in the further development of the Vocational Education program designed to fit girls and women for wage-earning occupations.

The women supervisors have also conferred with the State Supervisors of Trade and Industrial Education (Boys and Men) and with architects with regard to laboratory facilities and equipment for contemplated Food Trade Programs especially.

The Directors and State Supervisors of Vocational Education, together with representatives of all the other Divisions of the Massachusetts Department of Education met with members of the Governor's Commission (appointed to study and make recommendations concerning the total education program of Massachusetts). Subsequently, several State Supervisors have been consulted by individual members of this Commission in reference to Vocational Education programs.

The State Supervisors have met with the local Vocational Education Director, guidance personnel, school administrators, school committee members, representatives of the local Chamber of Commerce, and others to explain the purposes of and the details of organization of possible trade training programs for girls. This year such service was given in Barnstable, Fall River, (Regional), Holyoke, and Quincy.

Locally, the school director and instructors have continued their efforts to keep the philosophy, purposes, and available vocational education programs constantly in the minds of potential pupils and their parents, guidance personnel, school administrators and teachers, and the lay public through: "Come and See Tours," Career Day Programs, Parents' Nights, television and radio programs, wise use of advisory committees, meetings of guidance counselors, of school administrators, of lay groups and Service Clubs, talks to high school assemblies, newspaper articles, fliers, Alumnae Association meetings, etc.

The Type C - Trade Preparatory Power Stitching Courses have continued to work out satisfactorily, serving groups of adults who have a real job objective, and meeting the needs of industry, in part, for stitchers with at least a minimum of basic training. Scheduling of the units so that the women have finished their training at peak periods of employment opportunity (rather than at the industry's slack seasons) has helped materially in the placement of these trainees.

The Food Trades or Food Service Departments have continued to enroll about fifty percent boys and fifty percent girls. The further expansion of this training opportunity will be handicapped somewhat, due to the present scarcity of qualified and interested Food Trades teachers.

With the enactment of Chapters 697 and 703 of the Acts of 1962, and Chapter 489 of the Acts of 1963 both concerned with the formation of regional vocational school districts, legislation has been designed to strengthen vocational education in Massachusetts. Several new regional vocational schools are presently in the planning stage, some of which schools will doubtlessly include vocational education programs for girls and women.

PRACTICAL NURSE EDUCATION

OTHER HEALTH OCCUPATIONS

As is customary, the professional improvement conference for instructors in practical nurse education and other health training programs was offered during the Annual Summer Conference conducted yearly during the last week of June. Incidental inservice education is offered on all supervisory visits to faculty members in the practical nurse programs.

During the professional improvement conference conducted during the week of June 22 - 26, 1964, the services of consultants were utilized. They were from industry, a home for the aged, a panel of teachers from a vocational school, and the State Department of Education. Electives were offered in which university professors served as leaders.

The State Supervisor took part in several State and local conferences which were outside of the area of vocational education. Among these were an address to Altrusans, including about twenty people; the Student Nurse Organization, approximately one thousand; graduation addresses, averaging three to five hundred in each audience; and other informal occasions. In all of these, the Supervisor attempted to stress information on educational opportunities open to women, relationships and responsibilities within the roles of the nursing team, etc.

An increasing amount of time is spent in conferences regarding Manpower Development and Training Programs, and in working with committees planning new regional schools.

This year, the State Supervisor wrote an article on teacher training in The Journal of Nursing Education, Blakiston Division, McGraw-Hill Book Company, Volume III, Number 2, April 1964.

There is mutual assistance within the divisions of this Department on individual questions and problems. In addition, a speaker from the Library Division offered a discussion of phases of building a professional library at the professional improvement conference.

In many schools, more space is needed to accommodate larger enrollments. A variety of measures have been undertaken to meet the needs. One school has just completed a new wing. The neighboring hospital has made a wing available for the enlargement of the health programs.

In still another community, another hospital has made additional space available for the use of the school.

The regional school plans are developing in various areas, and include provisions for health occupations training. It would be this Supervisor's opinion that the trend toward regional planning is the solution to needs for enlarged facilities.

There are 14 programs of practical nurse education on the post-secondary level of the vocational system. The two most recent were developed under the Manpower Development and Training Act, and are located in Brockton and Plymouth where there were previously no opportunities in vocational education for girls and women. Regulations of the Board of Registration in Nursing in Massachusetts still require a fifteen month program.

Efforts continue to be made to include experience in the care of geriatric and chronically ill patients. In several schools experience in nursing homes and/or institutions for the care of the chronically ill has been included.

Recruitment no longer remains a problem in any but two of the most recently established programs.

Plans are developing for three more schools of practical nurse education utilizing Manpower Development and Training Act funds. These will be located in Haverhill, Leominster, and Holyoke. In addition, one additional section, graduating eight, has just been completed in Springfield, and another in Boston graduating twelve. There are currently two additional sections running in Worcester, two in Boston, and one at the Essex County Agricultural and Technical Institute under the M.D.T.A. funds. In all of these areas new clinical affiliations have been opened so that the network of affiliating health agencies continues to expand in our larger centers.

The scarcity of prepared nurse faculty members is a constant problem. There is an increasing struggle to locate qualified personnel for instruction in health occupations.

Dental Assisting - In Massachusetts we now have four programs of instruction in dental assisting. Last September the first class of dental assistants entered the David Hale Fanning Trade High School for Girls in a program financed from Manpower Development and Training Act funds. In addition to this, the Springfield, North Adams, and an M.D.T.A. program at Tufts University School of Social Dentistry continued. This Fall, the Tufts program will be reorganized in conjunction with Northeastern University.

Operating Room Technicians - This year the McCann Regional Vocational School added a small program in operating room technician training. The programs at Springfield and Worcester continue to attract a suitable pool of qualified candidates and to place their graduates with great ease.

There are now three programs for the training of operating room technicians in the Commonwealth.

Medical Assistants - There are two programs for the training of medical assistants in Massachusetts, one at Springfield and the other in North Adams. Others are contemplated but not now in existence.

Medical Laboratory Assistants - To date, the only medical laboratory assistants program actually in operation is at Springfield Trade High School. The instructor has completed requirements for registration as a medical technologist. In addition, it is planned to lengthen the program to 12 months, in order to provide additional supervised clinical practice for the students.

Existing programs for upgrading practical nurses have been conducted during the past year.

Curriculums are under constant revision for the purpose of updating same to new trends and developments.

Practical Nursing - Five other communities are interested in developing programs also.

Dental Assistants - The need for trained dental assistants is brought before the planning committees of the new regional schools. A new program will develop in the Southeastern Regional School and open in September 1966 as plans now stand.

Operating Room Technicians - Current plans call for the beginning of this course under M.D.T.A. funds at the Essex County Industrial and Technical Institute this Fall.

Physical Therapy Assistants - In September, a new pilot program for physical therapy assistants will open at Springfield Trade High School. This will be an experimental program and include supervised clinical experience in the second semester.

Friendly Visitors Program - This will be an experimental evening program on two levels. The first level is designed to assist volunteers organized to visit in mental hospitals. The second level will consist of training for supervisors of such volunteer services in the mental hospital. This will begin at the David Hale Fanning Trade High School for Girls this Fall.

There are no efforts at formal research, mainly because of the shortage of personnel properly prepared to carry out valid research.

Problems which need investigation are employment opportunities for women, more effective methods of teaching adults and curriculum content for the various health occupations. We do not have an adequate staff to undertake thorough studies of the above.

A major portion of the Supervisor's time is devoted to the interpretation of the Practical Nursing Program and training for Other Health Occupations to the other professional groups and lay public.

There is a considerable amount of individual counselling offered to prospective candidates for these programs either in personal interviews or telephone conversations. In addition, the Supervisor has spoken at various meetings of advisory committees, regional school committees, graduations, and professional nursing groups.

The employment of an additional Supervisor for the field of Health Occupations Training will mean that all such efforts can be increased next year.

As far as the time of the State staff permits, studies will be made to adjust programs to the social, economic, and other conditions in the State. It is hoped that with new legislation that has been passed and with more adequate funds that much more can be done in this field.

DISTRIBUTIVE EDUCATION

An itinerant teacher-training program was planned and conducted by the State Supervisor of Distributive Education for all the new Distributive Education teachers. The following communities were serviced: Quincy, Malden, Peabody, Waltham and Springfield. In these areas new teachers were appointed during the summer months, therefore, it was necessary to conduct an in-service teacher-training program for these teachers on an itinerant basis because the location of the different high schools was not conducive to a central meeting place.

The Annual Vocational Summer School was conducted at the Fitchburg State College from June 22 to June 26, 1964. In attendance at this Professional Improvement Conference were twenty-two (22) Distributive Education teachers and six (6) prospective Distributive Education teachers were enrolled in the teacher-training course. The following fields were represented at the Distributive Education Conference: Petroleum, Food, Cosmetic, Lacy Institute of Sales. The State Supervisor of Vocational Art in Industry conducted an excellent course on "Color, Line and Design." The State Supervisor has made arrangements to have the Supervisor of Vocational Art in Industry conduct a course in "Display and Advertising" for the teacher coordinators.

In the Distributive Education Adult Program guest instructors and speakers were obtained from various businesses and industries, for example, Florists, Food, Petroleum, Furniture, Paint and Varnish Industry, Hotel and Motel, Insurance and Real Estate businesses. In the Advertising courses, specialists from the field of Advertising were employed to conduct the course. In the Foreign Trade Courses, specialists in Foreign Trades were contacted to teach the courses.

The State Department of Commerce was most helpful in obtaining excellent speakers. Courses on Transportation were conducted for which the services of instructors from Northeastern University and Boston College were obtained. Experts from the Sales and Promotion Divisions of the leading retail and wholesale businesses were used as guest speakers in these programs.

The State Supervisor of Distributive Education attended a National Clinic of State Supervisors of Distributive Education which was held in Washington, D. C., October 14 - 18, 1963. The purpose of this conference was to clarify developments in the Distributive Education Preparatory Program and to re-direct the current program to better meet the needs of youth as pointed out by the President's Panel of Consultants in Vocational Education in its report "Education for a Changing World of Work." With the passage of the new Law 88-210, funds will be appropriated for the training of the youths between 14 - 18 years of age. The school drop-out problem is alarming and something must be done to prepare youth for employment. It was brought out that there should be teamwork between all the vocational services, i.e., Agriculture and Distributive Education working together to set up courses for marketing of agricultural products. Home Economics and Distributive Education working on programs for Food Services. An occupational mix is rapidly developing in the current employment pattern. Task Forces were set up as Study Groups. The need for much research, development of new curricula for the variety of occupational jobs available to our Distributive Education students, the need for many and more versatile teachers to teach these new programs is evident. We are on the verge of a vast expansion of offerings in Vocational Education to fit the needs of youth.

The State Supervisor attended the Fifth State DECA Convention at the Hotel Statler in Boston on March 19th. Five hundred and forty (540) DECA students attended this State Convention. Over fifty percent (50%) of the DECA students entered fourteen (14) contests. One of the objectives of the Convention is to develop future leaders in the field of Marketing.

The State Supervisor served on the Evaluation Committees of Malden High School and Lowell High School.

The State Supervisor attended the National DECA Leadership Conference in Chicago, May 1 - 3, 1964, accompanied by 17 Distributive Education students and three Teacher-Coordinators. Students entered fourteen contests.

Each year the Boston Retail Trade Board sponsors a luncheon to give recognition to the students in the Merchandising Classes of Greater Boston. Special Retailing Certificates were presented to this group by the Vice President of the Chamber of Commerce. Approximately five hundred (500) students attended this function.

The State Supervisor was invited to appear on a television program on Station WHDH, to publicize the Distributive Education program in Massachusetts. Many follow-up letters from interested listeners all over New England were received concerning the Distributive Education program as a result of this telecast.

Audio-visual aids have been made available through the services of the State Department of Education, Visual Aids Department. Also, the State Supervisor has had access to up-to-date text on marketing, from the State Department Library.

The Small Business Administration has been most helpful to the State Supervisor for securing lecturers, and sending up-to-date brochures, manuals and pamphlets on business.

The Boston Chamber of Commerce has been very helpful in promoting and sponsoring adult programs in marketing under State supervision.

The State Association of Guidance Personnel at its Annual Meeting invited the State Supervisor to speak on Distributive Education. The meeting was held in Boston at the Sheraton Plaza Hotel. New phases of our program were discussed.

The State Supervisor of Distributive Education is a member of a Committee on Teachers' Certification, assisting the high school equivalency program for reviewing students' past records and work experience.

In a post-secondary high school program at the Essex County Agricultural and Technical Institute, eighteen (18) young men are enrolled. It is a mid-management training program and is supported by all the large Food Chain Stores in Essex County. This program has been publicized in Food Journals, on television stations, and in local newspapers. The Advisory Committee working with the Teacher-Coordinator is made up of the leaders in the Food Industry. The wages earned by our graduates of this course are excellent, many receiving as much as \$105.00 to \$125.00 per week.

The Supervisor of Distributive Education, who is directly responsible for the day cooperative Distributive Education program, has been given the additional responsibility in connection with the Adult Distributive Education program. During the past year fifty (50) adult programs have been in effect with an enrollment of 1500 persons completing the courses. More could be done in this area with an additional Supervisor to promote the Adult Program.

The State Distributive Education Cooperative Program Course of Study has been revised in part during the past year to meet the needs of the job opportunities which have been presented to our Distributive Education students. There has been a wide expansion of the job opportunities for a high school cooperative student. For example, Petroleum Companies are interested in hiring Distributive Education students and have in many areas done so. The restaurant industry is interested in trainees for service jobs, etc. Many more course outlines must be developed to meet the demand of business.

Eleven (11) Pre-Christmas Training programs were conducted in Boston this year. Seven hundred twenty-four (724) students were trained and placed for Christmas in forty-six (46) different stores. The total earnings of the students were \$147,632.44.

The Fifth Annual State DECA Convention was held this year during the month of March. It was by far the most outstanding State Convention. Approximately five hundred fifty students attended this Conference. Forty local merchants attended this Conference and acted as judges for the fourteen contests that took place. High School Principals and Superintendents, the Commissioner of Education and the Director of Vocational Education were in attendance. All candidates for State offices were interviewed and evaluated for their qualifications to seek a State office.

The North Atlantic Regional State Officers Conference was held in Stamford, Connecticut, and all State Officers attended. The following states were represented: New York, New Jersey, Delaware, Pennsylvania, Connecticut, and Massachusetts. This was a Leadership Conference held for the purpose of training State Officers to conduct business meetings and to establish rapport between states, etc. The Pittsfield Chamber of Commerce, Merchants' Division, awarded a \$200 scholarship to the outstanding Distributive Education student of the year. This award is an annual one and receives good publicity for the program.

Due to the expansion and publicity of the Distributive Education program throughout the country, in school journals, industrial journals, business publications, etc., very little had to be done to recruit teacher coordinators for this field. Candidates, mostly men, for teaching positions in this field have been numerous. The replacements have been filled almost entirely by men. It is the State Supervisor's opinion that both men and women teachers are needed.

The Supervisor of Distributive Education has worked jointly with the Directors of three County Agricultural Schools to set up Adult Programs for the Florist Industry and the Food Industry.

In Post High School Programs all the technical training is being taught by the Agriculture instructors and the management training is taught by the Teacher Coordinator of the Post High School program who is a specialist in this field.

The Supervisor of Distributive Education works closely with many of the local Chambers of Commerce personnel, the Small Business Administration, the Boston Sales and Marketing Organization, the U. S. Department of Commerce (Field Office in Boston), U. S. Department of Interior, Bureau of Commercial Fisheries and many local Management Groups.

The Supervisor of Distributive Education attends meetings with the Personnel Groups of the larger Retail Stores in and around Boston, the Service Clubs such as Rotary, Lions, Kiwanis. These organizations are interested in Youth Groups like DECA and have helped considerably in acting as Judges at State Conventions and by supporting the Organization financially.

During the past year the State Supervisor has done considerable promotional work with the Superintendent of Schools, Guidance Counselors, High School Principals and School Committees concerning the establishment of a Distributive Education program in the cities or towns visited. Newton, Holliston, Chelsea, Winthrop, Haverhill, Lynn, Fall River, New Bedford, Natick, Danvers, Melrose, Greenfield, Holyoke, West Springfield, Lawrence and Woburn were among those visited.

OCCUPATIONAL INFORMATION AND VOCATIONAL GUIDANCE

A graduate credit course in Vocational Training and Placement at Fitchburg State College from June 22nd to July 3rd was attended by twenty-five (25) Counselors and Directors of Guidance.

A conference was held with consultants from local universities, i.e., Tufts and Northeastern, as well as a School Superintendent, Directors of Guidance, and Supervisors from the Division of Employment Security for the purpose of discussing current problems in the guidance field.

The State Supervisor lectured on Vocational Education to the graduate students of the Harvard University Center for Field Studies and explained the organization of regional vocational and technical schools.

The State Supervisor assisted in the development of a brochure "Vocational School Guidance Services," which was completed by guidance personnel in communities reimbursed for guidance services who sent youth to State-aided Vocational Schools.

The State Supervisor carried on instructional programs and related activities which included:

Guidance and surveys for pre-secondary programs and post-secondary programs

Counselor training programs at colleges

Recruitment, examination, training, retention, and assistance in placement of counselors

The State Supervisor also established a research program with the aid of Vocational Counselors of the State to validate the selection processes using the DAT and the APT tests.

The annual follow-up study of placement of graduates of Vocational and Technical Education was conducted as part of the North Atlantic Survey.

The State Supervisor assisted in the preparation of surveys working with District Planning Committees and Superintendents of Schools in the preliminary plans for the establishment of regional vocational-technical schools. These plans were the result of a survey conducted by the Division of Vocational Education for the purpose of determining the anticipated enrollment and the training to be offered for placement in occupations in the region.

Because of inadequate State staffing, there are ten (10) requests for regional vocational and technical school surveys waiting for the Vocational Division to present recommendations of the need for vocational education in the respective areas and the intensity of the need. Some of these surveys will indicate that present, inadequate vocational schools should be closed and the towns combine with other communities to present vocational programs in modern facilities.

ANNUAL REPORT

Division of Research and Statistics

Year Ending June 30, 1964

INTRODUCTION

The school year 1963-64 served as the setting for a number of important federal and state enactments that will result in far-reaching effects on education in Massachusetts. A detailed list of these developments is unnecessary in this particular report for it is suffice to say that this year, coming as it does nineteen years after the close of the second world war, became the year of the huge increase in secondary school graduations, the aftermath of which will place tremendous pressure on colleges and universities.

This current challenge together with the ever present quest for quality education has again increased the responsibilities and scope of the Division of Research and Statistics. Fortunately, the gap that has always been in existence between personnel and equipment, and duties was, this year, reduced but still remains to become a constant source of frustration.

With the Division's latest expansion, it became necessary from an organizational standpoint to decentralize the entire operation into four units, each involved with a distinct area yet working cooperatively with one another. They are:

Research unit

Statistical unit

Data Processing unit

Publications & Public Information unit

The following is a report on the activities of these units during the past year.

RESEARCH UNIT

The first research proposal submitted by a Massachusetts school department through the Division (representing the Massachusetts Department of Education) was accepted by the U. S. Office of Education under the provisions of the Cooperative Research Act.

The City of Springfield School Department was awarded \$30,248 to conduct research in reading under the direction of Dr. Olive Niles, Reading Supervisor in the Springfield public schools.

A small contract proposal in the field of mathematics was awarded the Weston, Massachusetts School Department in the amount of \$7,500.

An interesting proposal involving a novel teaching program designed to develop the basic skills of reading, writing and arithmetic at a first grade level was not approved although the Division spent much time in developing the proposal with the applicant, Miss Helen T. Dillon, Principal of the Leonard School, Malden. It is hoped that more emphasis can be placed in this area complemented by more Departmental support. Additional personnel must be added to give guidance to applicants seeking funds under the Cooperative Research Act. With an increase in funds at the U.S. Office level, the opportunity for Massachusetts to participate in the program is currently at an excellent point. However, proposals, regardless of their merit, must be developed within a specified format. In order to execute this properly, the Division must be allowed to devote ample time and knowledgeable personnel to the preparation of these proposals if the Commonwealth is to obtain monies for this necessary research.

As proposed in the previous Annual Report of the Division, a Research Bureau as an integral part of the Division must be established in order to gain the proper recognition due the research activities of both the Division and the Department.

STATISTICAL UNIT

A change made this past year that will eventually have far-reaching implications was the updating of the statistical section of the Annual Report, Part II. This section of the Annual Report, which was separated from the financial section several years ago, was always returned to the Division on July 31 each year. This year the Statistical Report was sent out in February with a due date of April 1. In practically all instances, the superintendents responded with their returns by the suggested deadline. This has enabled the Division to check the data received much earlier than heretofore possible.

The Division served as the processing agency for the Department race census of school children in Massachusetts. Although the tabulation of the returns took many hours, the Division was able to meet the deadlines imposed. Mr. Glenn Myers, Supervisor of the Data Processing Section, deserves to be mentioned here for the manner in which this survey was processed. The Division is pleased to have been asked to be a part of this effort which is bound to have far reaching implications in both Massachusetts and the nation.

During the past year, the Department was successful in obtaining three additional auditors for the purpose of auditing the school transportation accounts in the cities and towns of the Commonwealth. The auditors, Mr. Leo Turo, Mr. Richard Carlson, and Mr. Elton Munson, although assigned to the Administration Section of the Department, worked cooperatively with this Division because of the latter's responsibility for transportation statistics and reimbursement processing. In the seven months from December, 1963, through June, 1964, a total of 57 transportation audits were conducted in cities and towns of the Commonwealth and seven audits were conducted in regional school districts. In addition, these men were able to be of invaluable assistance to local school systems in the implementation of the new financial accounting system.

Financial Accounting

The financial accounting systems of the public schools in Massachusetts received an historic and much-sought-after overhaul during the past year. This new method of accounting, developed by the U.S. Office of Education together with the advice and consent of the Commonwealth's Department of Education, experienced its first complete year of implementation. Prior to this time the system had undergone severe testing and experimentation in a number of pilot programs in selected communities throughout Massachusetts.

Finding ourselves, as we do, in a period of transition between the individual bookkeeper and the large metal box, symbolic of the computerized society, it was a major problem to design an accounting system that could be adapted for hand-posting of school accounts by limited staffs in small-sized school districts, and yet one that could easily be utilized by larger systems possessing more sophisticated business machines, including data processing equipment. Such a system was developed and is presently in operation.

The task of affecting the change-over in accounting methods required the staff of the Division to travel many miles throughout the Commonwealth. Speaking engagements were arranged before such groups as: the Department Conference for superintendents at Bridgewater, the Fifth Annual Conference of School Secretaries at the University of Massachusetts, the Massachusetts School Business Officials Annual Conference at Sturbridge, as well as five regional conferences for superintendents and fifteen workshops for local administrative personnel.

This portion of the report cannot be left without mention of the excellent cooperation rendered this Division by the Division of Corporations and Taxation. Mr. Arthur McKinnon, Director of the Bureau of Accounts, together with his assistants, William Schwartz and Gordon McGill, assisted the Division and its staff members in the dissemination of information and encouraged the early adoption of this new method.

It is expected that some time will elapse before the system is completely installed in all school systems throughout the Commonwealth. However, the eventual results will afford true insight into the cost of education by offering more valid and comparable financial statistics.

P. L. 874 - P. L. 815

Under Public Law 874 a total of 182 school districts received more than five million dollars (\$5,071,009) from the Federal Government for the education of those qualifying children for the 1962-63 school year.

One community, Bedford, Massachusetts, received a total of \$319,850 for school construction under Public Law 815. These claims represent 143 Federal nontaxable properties within Massachusetts.

It should be mentioned here that neither of these two Federal laws mentioned above provide any funds for staffing assistance for the continuation of these two programs at the state level. In all cases the Federal Government reimburses the local applicant school systems directly. However, the Division is required to spend hours of staff time in preparing data for school systems to utilize when preparing applications. Every application is processed in triplicate in the Division and slow-to-file school systems are reminded by the Division that they might lose their entitlements if they do not file their applications by deadlines imposed by the U.S. Office of Education.

DATA PROCESSING UNIT

Fiscal 1964 saw the completion of the first data processing pilot project conducted by the Division in cooperation with a local school system. In return for allowing the Division to develop a program for pupil accounting attendance procedures, the Waltham School Department was furnished with data-processing equipment for the school year 1963-1964. As a supplementary phase of the project, the Division arranged a series of workshops at the site for the benefit of local school officials and other personnel interested in observing a center of this type in actual operation.

Data Processing in the field of education grew tremendously this past year. The number of persons involving themselves in this area gave cause, in the spring of 1964, for a meeting of Massachusetts school officials interested in forming a Department sponsored educational data processing association. More than one hundred school personnel in attendance at Waltham High School, gave enthusiastic support to a proposal that a formal organizational meeting be held in the fall of 1964 to establish the Massachusetts Educational Data Processing Association.

From the work accomplished at Waltham under the direction of Dr. John Magee of the Division staff, the first attendance register forms were developed for those school systems that possessed data-processing equipment. These forms are now furnished by the Division to those school systems that have obtained the Department's approval to keep their attendance records in this manner.

A number of publications pertaining to data-processing techniques and their relationship to local educational school departments were published by the Division during the past year.

These publications were:

Data Processing for School Secretaries

Data Processing for the Business Education Department

Automated Attendance Reporting

Punched Card Data Processing

Principles-Procedures-Materials

The Division has had requests for these publications from as far away as the Canal Zone.

The Division, in cooperation with the Division of State Colleges, sponsored courses in data processing for school administrators at three state colleges as part of the extension programs of these institutions. Dr. Magee taught at Westfield State College and Framingham State College. Dr. John Torosian, Principal of Pentucket Regional High School, West Newbury, taught at Worcester State College. It is planned to expand the teaching of these courses to four or more state colleges during the coming year.

The staff of the Division have spent a great deal of time in the classroom this year on both sides of the lectern; as instructors in the above mentioned programs and also as students in several other instances.

As of June 30, approximately 30 high schools in Massachusetts have data-processing equipment. Two high schools, Arlington and Springfield Trade have 1630 computers. These pieces of equipment are utilized at the post-high school level for teaching purposes but Springfield has developed procedures for attendance accounting and student scheduling.

A 1401 computer center has been established by the City of Boston at Boston Technical High School. This is the first center to be established in Massachusetts to be utilized for school administrative purposes exclusively. A close relationship has been established between the Division and the Boston School Department's officials and through the generosity of the latter, the Division has been able to utilize this equipment for several small programs.

The Division has also been in close cooperation with the New England Educational Data Systems Project sponsored by the New England School Development Council. This data processing facility, aided by a Ford Foundation grant of approximately one-half million has been established to assist school systems, including state departments of education in improving their data-collection techniques.

Data processing has lost a great deal of its mystery in the eyes of many members of the Department staff through a series of two-day orientation workshops conducted by International Business Machines Corporation at their local office in Boston. These have proved to be of marvelous assistance to the Division in having our sister Divisions understand the function and capability of this equipment.

Machines in the data-processing center at the Department of Education building have been operating at peak capacity for the past several years. This has necessitated the imposition of strung-out priorities on work requested to be accomplished. The work load has been somewhat relieved by the addition of two key punch machines and the personnel to operate them.

The work being accomplished in this area is limited only by the number of staff personnel and the machinery available. Much more could be done with augmented equipment and the personnel to operate it.

PUBLICATIONS AND PUBLIC INFORMATION UNIT

Production of department publications reached a new high this year with an average of some 200,000 printed impressions a month being turned out on the Division printing machinery. Through a series of promotions and transfers of non-professional personnel the publication section has been able to reduce and eliminate a number of problems that have hampered its operation in the past. While improvement has been made, several situations still exist that impede the total effectiveness of this section. A physical reorganization of the existing area is needed in order to draw every possible foot of space into proper utilization. Secondly, the dual control that exists over the reproduction equipment does not allow the Department to take advantage of a central inventory of supplies and equipment. Divided authority also creates periods of extreme overloading of work on some machines while others remain inactive.

The lack of centralization in this section creates duplication of effort in such areas as the collating and assembling of publications, the operation of the postage meter, and the distribution of materials.

Mr. William Crowley of the Division staff has succeeded in giving Departmental publications a more professional look both in cover design and quality of production effort. Possessed with experience and the proper training and technical background, Mr. Crowley is well prepared to assume responsibility for a department-wide printing facility if all equipment in the Department is placed under his control.

PERSONNEL

Mr. Frank Livak, Director of Research and Statistics for the Vermont Department of Education, joined the Division as a Supervisor on March 1, 1964. Mr. Livak brings to the Division an exceptionally strong background in educational finance. He served as an advisor to a legislative committee in his home state appointed to rewrite a state aid to education formula.

He was able to complete this work just prior to joining the Division staff.

Since his arrival, Mr. Livak has developed reporting forms for professional personnel and financial accounting. He has also prepared recommended changes in the Annual Report of the Department of Education, Part II.

Mr. Livak is a member of the National Educational Research Association and the National Educational Finance Association. Mr. Livak also brings to the Division his already established personal relationships with the United States Office of Education. This will be of value in reporting data to that office.

RECOMMENDATIONS

As can be seen by the reading of the previous pages of this report, the activities of this Division have developed in several different directions. The Division's needs for increased staff and increased space to carry out programs more efficiently are the same needs as those of other divisions. Serious thought must be given to increasing the data-processing facilities of the Division. It is recommended that a computer facility be obtained for the Division as soon as possible. While it is true the Division can utilize the services of the computer at the New England Educational Data Systems, this computer is not always available when needed. When computer services are shared, availability of time is at a premium. Experimental, as well as mandated programs involving this type of equipment can only be carried through to completion when equipment is available when needed. Attempts to obtain time on computers in other departments of the Commonwealth for the processing of the Annual Report, Part II, resulted in Mr. Myers, of the Division staff, spending Sundays at the computer. Time availability was arranged through the Division of Administration and Finance, but this arrangement was less than satisfactory.

Central data-processing facilities are being proposed for the Health, Education and Welfare building to be completed in 1967, but according to considered opinion, the Department cannot wait for this facility but must obtain unlimited access to a computer to carry on programs now under way.

TABLE I - STATE AID 1963-64

State Reimbursement to CITIES, TOWNS, AND REGIONAL SCHOOL DISTRICTS of certain sums collected by the State as income tax; a sum inuring to the State as interest from the Massachusetts School Fund; and sums accruing from other sources, which are distributed to cities and towns, USING CERTAIN FACTORS OF THE INDIVIDUAL CITY AND TOWN SCHOOL SYSTEMS, (pursuant to the provisions of G. L., c. 69, sec. 7B, 32, 26-29B, c. 70, sec. 1-10, inclusive, and c. 71, secs. 7A, 16C, 46, 46A, B, E, F, H, and 65, also sec. 78). AS YARDSTICKS OF MEASUREMENT in the specific determinations.

| | Governed by
General Laws | No. of towns
Receiving | Amount
Received | Source |
|---|-----------------------------|---------------------------|--------------------|---------------------------------------|
| 1. School Fund and Aid to Public Schools | Chapter 70 | 351 | \$40,105,365.00 | Mass. School Fund and Income Tax |
| 2. All School Transportation Reimbursement | Chap. 71, SS. 7A, 16C | 310 (plus 35 regions) | \$ 9,422,028.00 | Appropriation from Income Tax |
| 3. Reimbursement on account of salary and traveling expenses of union and regional school superintendents | Chap. 71, SS. 59A, 65 | 159 | \$ 241,715.00 | Department of Education Appropriation |
| 4. Reimbursement on account of Public Junior Colleges | Chap. 71, S. 78 | 2 | \$ 57,019.00 | Department of Education Appropriation |
| 5. Reimbursement on account of Mentally Retarded and Physically Handicapped | Chap. 69, etc. | 304 (plus 27 regions) | \$ 5,580,608.00 | Appropriation from Income Tax |
| | TOTAL..... | | \$55,507,569.00 | |
| <hr/> | | | | |
| | No. of Children | | | |
| 6. Reimbursement of Deaf, Aphasic, Blind, and Emotionally Disturbed | Chap. 69, s. 26-29 | 1177 | \$ 3,618,864.00 | Department of Education Appropriation |
| 7. Reimbursement on account of day classes for the Deaf and Blind | Chap. 69, ss. 28 and 33 | 8 | \$ 100,834.00 | Department of Education Appropriation |
| 8. Reimbursement for Higher Education of children of deceased | Chap. 69, s. 7B | 582 | \$ 383,620.00 | Department of Education Appropriation |
| | TOTAL..... | | \$ 4,002,484.00 | |
| | GRAND TOTAL..... | | \$59,510,053.00 | |

II. STATISTICS OF SUPERINTENDENCY UNIONS AND REGIONAL SCHOOL DISTRICTS YEAR ENDING JUNE 30, 1964

(Note - The number indicates the superintendency union in which the town is found in the table that follows)

Index of Towns

| | | |
|-------------------|-------------------|-----------------|
| 26 Amherst | 32 Cheshire | 18 Gill |
| 56 Ashburnham | 4 Chester | 25 Goshen |
| 22 Ashby | 51 Chesterfield | 37 Gosnold |
| 25 Ashfield | 19 Chilmark | 17 Granby |
| 42 Ayer | 43 Clarksburg | 39 Granville |
| | 9 Colrain | 53 Groveland |
| 2 Barre | 38 Conway | |
| 4 Becket | 25 Cummington | 31 Halifax |
| 37 Berkley | | 57 Hamilton |
| 60 Berlin | 38 Deerfield | 32 Hancock |
| 18 Bernardston | 11 Dennis | 13 Hanover |
| 44 Blackstone | 37 Dighton | 13 Hanson |
| 27 Blanford | 52 Douglas | 2 Hardwick |
| 47 Bolton | 50 Dover | 47 Harvard |
| 10 Bourne | 40 Dudley | 16 Harwich |
| 42 Boxborough | 46 Dunstable | 21 Hawley |
| 58 Boxford | | 21 Heath |
| 60 Boylston | 7 East Brookfield | 30 Hinsdale |
| 11 Brewster | 54 Eastham | 24 Holden |
| 5 & 61 Brimfield | 19 Edgartown | 23 & 61 Holland |
| 7 & 61 Brookfield | 28 Erving | 2 Hubbardston |
| 9 Buckland | 48 Essex | 27 Huntington |
| | | |
| 47 Carlisle | 43 Florida | 31 Kingston |
| 62 Carver | 34 Freetown | |
| 21 Charlemont | | 34 Lakeville |
| 23 Charlton | 19 Gay Head | 32 Lanesborough |
| 16 Chatham | 20 Georgetown | 29 Lee |

| | | |
|--------------------|--------------------|---------------------|
| 28 Leverett | 46 Pepperell | 38 Sunderland |
| 18 Leyden | 30 Peru | 52 Sutton |
| | 2 Petersham | |
| 48 Manchester | 1 Phillipston | 1 Templeton |
| 55 Marion | 25 Plainfield | 19 Tisbury |
| 10 Mashpee | 62 Plymouth | 39 Tolland |
| 55 Mattapoisett | 31 Plympton | 58 Topsfield |
| 59 Mendon | 24 Princetown | 22 Townsend |
| 53 Merrimac | 14 Provincetown | 14 Truro |
| 4 & 27 Middlefield | | 46 Tyngsborough |
| 35 Millis | 45 Raynham | 29 Tyringham |
| 44 Millville | 37 Rehoboth | |
| 43 Monroe | 36 Richmond | 59 Upton |
| 5 Monson | 55 Rochester | |
| 27 Montgomery | 21 Rowe | 5 & 61 Wales |
| | 20 Rowley | 12 Warren |
| 32 New Ashford | 1 Royalston | 18 Warwick |
| 12 New Braintree | 27 Russell | 30 Washington |
| 41 Newbury | 24 Rutland | 40 Webster |
| 28 New Salem | | 54 Wellfleet |
| 35 Norfolk | 41 Salisbury | 28 Wendell |
| 3 Northborough | 39 Sandisfield | 57 Wenham |
| 7 North Brookfield | 10 Sandwich | 45 West Bridgewater |
| 18 Northfield | 43 Savoy | 12 West Brookfield |
| 13 Norwell | 9 Shelburne | 51 Westhampton |
| | 50 Sherborn | 56 Westminster |
| 19 Oak Bluffs | 42 Shirley | 53 West Newbury |
| 24 Oakham | 28 Shutesbury | 36 West Stockbridge |
| 54 Orleans | 51 Southampton | 19 West Tisbury |
| 29 Otis | 3 Southborough | 38 Whately |
| | 17 South Hadley | 51 Williamsburg |
| 24 Paxton | 39 Southwick | 30 Windsor |
| 26 Pelham | 24 Sterling | 51 Worthington |
| 31 Pembroke | 47 Stow | |
| | 23 & 61 Sturbridge | 11 Yarmouth |

| SOUTHERN BERKSHIRE REGIONAL SCHOOL DISTRICT | |
|---|------------------------|
| <u>Alford</u> | <u>New Marlborough</u> |
| Egremont | Sheffield |
| Monterey | |

II. STATISTICS OF SUPERINTENDENCY UNIONS AND REGIONAL SCHOOL DISTRICTS
YEAR ENDING JUNE 30, 1964

| Union
and/or
region | Date
of
enter-
ing
union
and/or
region | State Valuation* | Number
of
principals
and full-
time
teachers
June 30,
1964 | Number
of
school
build-
ings
June 30,
1964 | Each town's share
of Superintendent's | State aid
for
1963-1964
on account
of employment
of school super-
intendent | |
|---------------------------|--|-------------------------|---|--|--|---|--------------|
| | | Chap. 559,
July 1945 | Chap. 660,
Jan. 1963 | | Full
Salary | Traveling
Expense | |
| 1. Phillipston | 1889 | \$ 415,965 | \$ 1,089,000 | 4 | 1 | \$ 71.90 | \$ 566.53 1/ |
| Royalston | 1889 | 843,047 | 1,249,000 | 6 | 2 | 481.54 | 258.82 |
| Templeton | 1889 | 3,546,386 | 6,404,000 | 30 | 4 | 8,633.97 | 4,320.20 1/ |
| 2. Barre | 1890 | 3,478,189 | 5,383,000 | 40 | 4 | 5,288.43 | 2,620.07 |
| Hardwick | 1890 | 1,897,123 | 2,902,000 | 17 | 4 | 2,572.14 | 1,274.21 |
| Hubbardston | 1889 | 896,634 | 1,765,000 | 10 | 1 | 1,724.90 | 854.67 |
| Petersham | 1890 | 1,594,532 | 2,219,000 | 6 | 1 | 895.24 | 443.43 |
| 3. Northborough | 1890 | 2,429,536 | 7,819,000 | 65 | 5 | 7,657.00 | 3,058.31 2/ |
| Southborough | 1890 | 3,813,012 | 7,390,000 | 41 | 3 | 5,343.00 | 2,134.07 2/ |
| 4. Becket | 1890 | 987,076 | 1,908,000 | 7 | 1 | 2,685.00 | 1,541.33 |
| Chester | 1890 | 1,471,145 | 2,204,000 | 16 | 1 | 4,560.50 | 2,634.42 |
| Middlefield | 1890 | 367,936 | 1,009,000 | 2 | 1 | 1,104.96 | 643.91 3/ |

*Chapter 559, 1945 to Jan. 4, 1964; Chapter 660, 1963 Jan. 5, 1964 to June 30, 1964

1/ Superintendent in dual capacity - includes reimbursement for Union and Narragansett Regional School District.
2/ Superintendent in dual capacity - includes reimbursement for Union and Northboro-Southboro Regional School District.
3/ See also Union #27 and Gateway Regional School District.

| | |
|---|---|
| a | c |
| b | d |
| e | f |
| g | h |
| i | j |
| k | l |
| m | n |
| o | p |
| q | r |
| s | t |
| u | v |
| w | x |
| y | z |

[illegible]

| | | | | | | | | | |
|-----|---|----------------------|---|--|----------------|-------------|-----------------------------------|------------------------------|---|
| 5. | Brimfield 1/
Monson
Wales 1/ | 1890
1890
1893 | \$ 1,178,567
3,882,339
419,594 | \$ 2,894,000
7,897,000
1,161,000 | 8
41
5 | 1
5
1 | \$ 404.16 2/
242.50 2/ | \$ 33.36 2/
20.00 2/ | \$ 291.68 2/
175.00 2/ |
| 6. | Princeton-Sterling | | Union dissolved September 1, 1959 (See Union #24). | | | | | | |
| 7. | Brookfield 1/
E. Brookfield
N. Brookfield | 1891
1921
1891 | 1,538,216
1,178,567
2,936,362 | 3,089,000
2,374,000
5,011,000 | 9
11
33 | 1
2
2 | 379.16 2/
3,075.20
6,354.88 | 25.00 2/
187.00
388.00 | 159.04 2/
1,645.46
3,387.86 |
| 8. | Grafton-Upton | | Union dissolved December 31, 1959 (See Union #59 for Upton) | | | | | | |
| 9. | Buckland
Colrain
Shelburne | 1892
1892
1892 | 3,196,995
1,754,249
3,716,047 | 3,878,000
2,660,000
4,600,000 | 4
9
17 | 1
1
1 | 2,772.42
1,986.26
4,699.58 | 154.66
104.66
256.36 | 1,503.49 3/
1,073.71 3/
2,545.44 3/ |
| 10. | Bourne
Mashpee
Sandwich | 1892
1892
1892 | 10,944,806
1,044,419
3,189,064 | 22,067,000
4,324,000
7,571,000 | 188
9
25 | 9
1
1 | 8,640.00
540.00
1,620.00 | 742.14
146.22
188.70 | -
300.12
790.80 |
| 11. | Brewster
Dennis
Yarmouth | 1903
1892
1892 | 2,357,135
4,922,252
7,163,768 | 6,167,000
18,748,000
21,646,000 | 8
37
56 | 1
1
3 | 1,400.00
4,524.66
8,075.34 | 75.00
150.00
275.00 | 521.29
- 4/
- 4/ |
| 12. | New Braintree
Warren
W. Brookfield | 1895
1893
1898 | 693,275
3,327,719
1,602,158 | 1,324,000
5,290,000
3,658,000 | 3
24
16 | 1
3
1 | 1,313.00
6,363.00
2,424.00 | 84.50
409.50
156.00 | 675.01
3,271.20
1,246.17 |
| 13. | Hanover
Hanson
Norwell | 1894
1894
1894 | 5,358,206
3,050,409
2,639,902 | 10,525,000
7,028,000
8,530,000 | 82
32
76 | 5
3
4 | 11,000.00
1,000.00
1,000.00 | 463.00
-
- | -
379.01
379.01 |

1/ See also Union #61 and Tantasqua Regional School District.
2/ July and August 1963 only.

3/ Superintendent in dual capacity - includes reimbursement for Buckland-Shelburne Regional School District.
4/ Superintendent in dual capacity - Union and Dennis-Yarmouth Regional School District.

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| | | | | | | | | | |
|-----|--|--|--|--|---|----------------------------|--|---|--|
| 14. | Provincetown
Truro | 1894
1902 | \$ 7,343,047
1,802,515 | \$11,535,000
5,769,000 | 31
6 | 3
1 | \$ 6,937.44
2,328.00 | \$ 325.04
325.04 | -
\$1,369.13 |
| 15. | Bellingham-Mendon | | | | Union dissolved December 31, 1959 (See Union #59 for Mendon). | | | | |
| 16. | Chatham
Harwich | 1903
1894 | 7,944,594
8,612,531 | 16,817,000
20,231,000 | 45
47 | 3
3 | 6,737.00
6,737.00 | 637.50
637.50 | -
- |
| 17. | Granby
S. Hadley | 1895
1895 | 1,109,240
10,540,021 | 4,835,000
21,202,000 | 59
131 | 2
7 | 3,198.32
9,594.96 | 431.90
565.50 | 1,366.63
- |
| 18. | Bernardston
Gill
Leyden
Northfield
Warwick | 1917
1895
1901
1895
1895 | 1,103,808
1,086,099
342,936
2,119,591
421,523 | 2,485,000
1,751,000
504,000
3,852,000
882,000 | 8
9
2
13
2 | 1
1
1
1
1 | 2,779.80
2,260.00
1,175.20
3,988.90
1,096.10 | 147.60
120.00
62.42
211.79
58.19 | 1,277.32
1,038.48
540.01
1,832.91
503.66 |
| 19. | Chilmark
Edgartown
Gay Head
Oak Bluffs
Tisbury
W. Tisbury | 1897
1895
1902
1895
1895
1895 | 843,047
5,378,180
210,762
5,270,307
6,325,956
831,930 | 2,104,000
9,685,000
665,000
7,818,000
9,323,000
1,752,000 | 2
11
1
10
23
2 | 1
1
1
1
1
1 | 616.15
2,807.16
216.31
2,681.87
3,820.68
857.83 | 48.09
205.77
16.65
204.09
280.19
64.57 | 291.81
-
102.29
-
-
405.01 |
| 20. | Georgetown
Rowley | 1895
1895 | 2,149,152
1,802,515 | 4,244,000
3,722,000 | 47
21 | 3
3 | 7,224.14
4,666.64 | 550.00
366.66 | 3,151.77
2,040.61 |
| 21. | Charlemont
Hawley
Heath
Rowe | 1897
1897
1902
1897 | 1,006,563
274,349
471,523
762,602 | 1,756,000
428,000
681,000
2,491,000 | 7
-
3
5 | 1
-
1
1 | 5,521.38
996.33
1,571.39
2,001.93 | 352.92
64.18
96.25
128.34 | 2,841.79
513.01
806.89
1,030.69 |

1/ Superintendent in dual capacity - includes reimbursement for Union and Pioneer Valley Regional School District.
2/ Superintendent in dual capacity - includes reimbursement for Union and Martha's Vineyard Regional School District.
3/ Superintendent in dual capacity - includes reimbursement for Union and Hawlemont Regional School District.



| | | | | | | | | | | |
|-----|--|--|--|---|--------------------------------|----------------------------|--|--|--|--|
| 22. | Ashby
Townsend | 1897
1897 | \$ 1,386,550
2,703,772 | \$ 2,654,000
4,912,000 | 26
27 | 2
1 | \$ 5,059.13
5,208.52 | \$ 482.94
517.02 | \$2,554.13
2,638.25 | |
| 23. | Charlton
Holland
Sturbridge | 1902
1902
1898 | 2,297,156
277,310
2,593,217 | 4,861,000
1,614,000
6,993,000 | 37
5
17 | 3
1
1 | 909.80
200.00
800.00 | -
-
- | 606.53
133.34
533.33 | <u>1/</u>
<u>1/</u>
<u>1/</u> |
| 24. | Holden
Oakham
Paxton
Princeton
Rutland
Sterling | 1900
1900
1900
1959
1900
1959 | 4,382,143
525,110
1,285,983
1,386,550
1,663,860
2,439,789 | 15,502,000
902,000
3,828,000
2,415,000
4,274,000
6,088,000 | 89
4
20
9
19
30 | 5
1
1
1
1
2 | 8,031.68
356.89
1,936.54
974.11
1,943.07
2,561.57 | 100.00
100.00
100.00
100.00
100.00
100.00 | 2,573.86
144.87
644.89
340.10
646.45
842.21 | <u>2/</u>
<u>2/</u>
<u>2/</u>
<u>2/</u>
<u>2/</u>
<u>2/</u> |
| 25. | Ashfield
Cummington
Goshen
Plainfield | 1900
1900
1900
1900 | 1,525,205
623,947
446,523
367,936 | 2,074,000
1,253,000
944,000
845,000 | 16
4
3
2 | 1
1
1
1 | 3,477.11
1,737.55
1,737.55
1,737.55 | 240.00
120.00
120.00
120.00 | 1,972.36
985.44
985.94
985.94 | |
| 26. | Amherst
Pelham
Leverett
Shutesbury | 1901
1901
-
- | 11,633,775
740,046
541,100
421,523 | 19,864,000
1,461,000
1,464,000
786,000 | 48
4
-
- | 8
1
-
- | 9,233.79
969.20
652.29
144.88 | 515.34
39.89
37.31
8.26 | -
308.43
451.74
68.54 | <u>3/</u>
<u>3/</u>
<u>3/</u>
<u>3/</u> |
| 27. | Blandford
Huntington
Montgomery
Russell
Middlefield
Worthington | 1901
1901
1901
1901
-
- | 950,221
1,180,256
317,936
4,474,928
367,936
843,047 | 1,898,000
1,924,000
599,000
5,374,000
1,009,000
1,500,000 | 7
9
-
11
-
- | 1
1
-
1
-
- | 1,725.49
4,049.28
883.75
3,592.13
493.27
619.53 | 159.59
375.61
81.13
345.22
45.29
56.69 | 787.68
1,849.01
402.93
1,644.95
224.83
282.98 | <u>4/</u>
<u>4/</u>
<u>4/</u>
<u>4/</u>
<u>5/</u>
<u>6/</u> |

1/ July and August 1963 only - See also Union #61.

2/ Superintendent in dual capacity - includes reimbursement for Union and Wachusett Regional School District.

3/ Superintendent in dual capacity - includes reimbursement for Union and Amherst-Pelham Regional School District

4/ - See also Union #28.

5/ Superintendent in dual capacity - includes reimbursement for Union and Gateway Regional School District.

6/ See also Union #4.

See also Union #51.

| | | | | | | | | | |
|-----|--|--------------------------------------|--|--|-----------------------|-----------------------------------|---|---|---|
| 28. | Erving
Leverett <u>1/</u>
New Salem
Shutesbury <u>1/</u>
Wendell | 1901
1901
1902
1901
1901 | \$ 2,512,889
541,100
367,936
421,523
353,673 | \$ 3,131,000
1,464,000
674,000
786,000
496,000 | 8
6
3
2
2 | 2
1
1
1
1 | \$ 2,562.50
1,947.50
3,280.00
1,230.00
1,230.00 | \$ 225.00
171.00
288.00
108.00
108.00 | \$1,298.09
986.55
1,661.56
623.09
623.09 |
| 29. | Lee
Otis
Tyringham | 1901
1901
1901 | 5,734,825
765,104
531,662 | 10,599,000
2,282,000
958,000 | 55
6
3 | 5
1
1 | 7,658.99
2,347.80
1,118.00 | 200.00
200.00
200.00 | -
1,128.31
583.62 |
| 30. | Hinsdale
Peru
Washington
Windsor | 1901
1901
1912
1901 | 1,047,374
317,936
235,762
528,698 | 1,971,000
771,000
371,000
792,000 | 11
1
2
3 | 1
1
1
1 | 4,174.25
1,628.50
2,094.76
2,625.02 | 470.54
165.93
162.07
195.86 | 2,094.09
808.97
1,017.71
1,271.61 |
| 31. | Halifax
Kingston
Pembroke
Plympton | 1901
1901
1901
1901 | 1,663,860
5,121,176
3,466,374
893,047 | 4,026,000
8,885,000
8,008,000
1,709,000 | 11
18
33
6 | 2
1
3
1 | 2,227.60
4,147.31
5,997.35
1,169.17 | 16.00
31.50
43.33
9.17 | 799.31 <u>2/</u>
-
2,151.59 <u>2/</u>
419.82 <u>2/</u> |
| 32. | Cheshire
Hancock
Lanesboro
New Ashford | 1912
1902
1902
1902 | 1,418,354
538,698
1,607,506
138,655 | 3,271,000
807,000
4,219,000
241,000 | 19
3
16
1 | 1
1
1
1 | 4,359.90
1,743.94
4,359.86
435.95 | 340.00
136.00
340.00
34.00 | 2,076.95
830.78
2,076.95
207.70 |
| 33. | Topsfield <u>3/</u> - Wenham <u>4/</u> | | | | | Union dissolved September 1, 1959 | | | |
| 34. | Freetown
Lakeville | 1902
1902 | 1,733,187
1,793,268 | 4,120,000
5,023,000 | 16
18 | 1
3 | 6,599.45
6,400.55 | 300.00
300.00 | 2,634.09 <u>5/</u>
2,558.29 <u>5/</u> |
| 35. | Millis
Norfolk | 1902
1902 | 3,466,374
1,687,042 | 8,265,000
4,331,000 | 65
15 | 3
1 | 9,450.00
4,050.00 | 700.00
300.00 | 3,634.67
1,557.71 |

1/ See also Union #26 - Amherst-Pelham Regional School District.

2/ Superintendent in dual capacity - includes reimbursement for Union and Silver Lake Regional School District.

3/ See Union #58.

4/ See Union #57.

5/ Superintendent in dual capacity - includes reimbursement for Union and Freetown-Lakeville Regional School District.

111

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|----|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|----|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|----|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|----|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|----|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|----|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|----|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |

| | | | | | | | | | |
|-----|----------------|------|------------|--------------|-----|---|-------------|-----------|-------------|
| 36. | Richmond | 1902 | \$ 843,047 | \$ 2,342,000 | 6 | 1 | \$ 5,175.00 | \$ 400.00 | \$ 2,353.71 |
| | W. Stockbridge | 1902 | 1,579,183 | 2,898,000 | 9 | 1 | 6,325.00 | 400.00 | 2,838.67 |
| 37. | Berkley | 1902 | 1,062,998 | 1,784,000 | 13 | 2 | 1,084.92 | 87.48 | 464.72 |
| | Dighton | 1902 | 3,813,012 | 7,732,000 | 25 | 2 | 4,623.39 | 244.92 | 1,929.49 |
| | Gosnold | 1936 | 1,371,744 | 1,379,000 | 1 | 1 | 433.92 | 35.04 | 185.89 |
| | Rehoboth | 1960 | 3,203,043 | 7,358,000 | 38 | 4 | 6,257.49 | 332.52 | - |
| 38. | Conway | 1903 | 1,060,526 | 1,468,000 | 7 | 1 | 1,685.04 | 143.35 | 741.64 |
| | Deerfield | 1903 | 4,644,942 | 6,582,000 | 21 | 2 | 5,644.34 | 159.04 | - |
| | Sunderland | 1903 | 1,571,744 | 2,201,000 | 9 | 1 | 2,730.76 | 148.49 | 1,167.73 |
| | Whately | 1903 | 1,455,877 | 2,335,000 | 8 | 2 | 2,139.86 | 145.41 | 926.92 |
| 39. | Granville | 1903 | 2,224,766 | 5,045,000 | 9 | 2 | 575.00 | 77.00 | 259.62 |
| | Sandisfield | 1903 | 762,602 | 1,274,000 | 4 | 1 | 1,725.00 | 231.00 | 778.86 |
| | Southwick | 1903 | 2,565,117 | 7,796,000 | 82 | 3 | 8,050.00 | 1,078.00 | 3,634.66 |
| | Tolland | 1903 | 475,110 | 741,000 | 1 | 1 | 1,150.00 | 154.00 | 519.24 |
| 40. | Dudley | 1903 | 4,093,701 | 9,059,000 | 35 | 3 | 3,832.59 | 116.00 | 1,687.81 |
| | Webster | 1903 | 12,576,893 | 25,336,000 | 70 | 4 | 7,666.62 | 400.00 | - |
| 41. | Newbury | 1905 | 2,565,117 | 5,339,000 | 25 | 1 | 5,450.04 | 699.96 | 2,596.19 |
| | Salisbury | 1905 | 3,395,562 | 6,378,000 | 32 | 1 | 5,450.02 | 699.96 | 2,596.19 |
| 42. | Ayer | 1909 | 4,243,255 | 6,033,000 | 124 | 5 | 7,500.00 | 180.00 | 2,995.43 |
| | Boxboro | 1921 | 415,965 | 1,139,000 | 8 | 1 | 1,250.00 | 30.00 | 499.24 |
| | Shirley | 1909 | 2,556,218 | 3,607,000 | 19 | 2 | 3,750.00 | 90.00 | 1,497.71 |
| 43. | Clarksburg | 1912 | 996,753 | 2,201,000 | 8 | 2 | 4,134.36 | 179.24 | 2,033.88 |
| | Florida | 1912 | 1,582,506 | 1,682,000 | 5 | 1 | 3,100.80 | 134.44 | 1,524.28 |
| | Monroe | 1912 | 1,109,240 | 1,084,000 | 2 | 1 | 1,363.70 | 58.24 | 669.99 |
| | Savoy | 1912 | 260,762 | 453,000 | 2 | 2 | 1,757.10 | 76.17 | 863.96 |

1/ Superintendent in dual capacity - includes reimbursement for Union and Dighton-Rehoboth Regional School District.
2/ Superintendent in dual capacity - includes reimbursement for Union and Frontier-Regional School District.

[illegible]

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100

[illegible][illegible]

| | | | | | | | | | |
|-----|---|---|---|---|-------------------------|-----------------------|--|--|--|
| 44. | Blackstone
Millville | 1913
1917 | \$ 2,773,100
1,056,221 | \$ 5,378,000
2,175,000 | 28
8 | 4
1 | \$ 6,459.73
4,306.68 | \$ 443.62
160.08 | \$3,152.29
2,040.09 |
| 45. | Raynham
W. Bridgewater | 1920
1920 | 2,149,152
4,004,472 | 5,890,000
8,030,000 | 38
59 | 4
3 | 4,125.00
8,250.00 | 300.00
600.00 | 1,730.62
3,461.76 |
| 46. | Dunstable
Pepperell
Tyngsboro | 1911
1909
1924 | 485,292
3,327,719
1,582,506 | 1,110,000
6,838,000
4,543,000 | 6
24
27 | 1
3
2 | 1,725.00
5,175.00
4,600.00 | 150.00
450.00
400.00 | 778.86
2,336.57
2,076.95 |
| 47. | Bolton
Carlisle
Harvard
Stow | 1926
1926
1926
1926 | 1,247,895
1,268,157
2,639,902
1,525,205 | 2,794,000
2,831,000
4,527,000
5,446,000 | 10
22
33
32 | 2
4
3
2 | 1,373.50
1,831.37
2,746.88
3,204.90 | 116.90
155.83
233.75
272.72 | 762.16
1,016.21
1,524.32
1,778.37 |
| 48. | Essex
Manchester | 1929
1929 | 1,802,515
10,560,807 | 4,290,000
17,834,000 | 16
44 | 1
2 | 5,200.00
7,800.00 | 225.18
471.49 | 2,056.70
- |
| 49. | Boylston-W. Boylston | Union dissolved July 1, 1961 (See Union #60 for Boylston) | | | | | | | |
| 50. | Dover
Sherborn | 1950
1950 | 6,325,116
3,466,374 | 11,146,000
6,562,000 | 24
24 | 2
2 | 6,806.93
6,693.07 | 452.60
440.13 | -
2,573.34 |
| 51. | Chesterfield
Southampton
Westhampton
Williamsburg
Worthington | 1902
1953
1953
1902
1902 | 683,203
1,274,519
415,965
1,605,991
843,047 | 1,139,000
3,095,000
1,259,000
2,963,000
1,500,000 | 5
19
4
34
4 | 1
2
1
3
1 | 1,281.24
2,562.48
1,281.24
3,843.80
1,281.24 | 125.00
250.00
125.00
375.00
125.00 | 649.05
1,298.09
649.05
1,947.14
649.05 |
| 52. | Douglas
Sutton | 1953
1953 | 2,560,496
2,315,889 | 4,174,000
5,011,000 | 22
45 | 3
4 | 5,384.65
5,395.73 | 254.15
295.82 | 2,567.65
2,591.38 |

1/ Superintendent in dual capacity - includes reimbursement for Union and Dover-Sherborn Regional School District.

| | | | | | | | | | | |
|-----|-------------------------------------|----------------------|--|--|----------------|-------------|-------------------------------------|-------------------------------|------------------------------------|----------------|
| 53. | Groveland
Merrimac
W. Newbury | 1955
1955
1955 | \$ 1,714,765
2,173,238
1,582,506 | \$ 4,024,000
4,274,000
3,365,000 | 23
18
10 | 1
1
1 | \$ 5,119.79
4,896.37
3,870.29 | \$ 290.91
283.31
250.13 | \$1,909.76
1,828.24
1,454.38 | 1/
1/
1/ |
| 54. | Eastham
Orleans
Wellfleet | 1894
1894
1894 | 1,594,532
4,997,518
2,357,135 | 6,564,000
11,764,000
6,387,000 | 7
13
8 | 1
1
1 | 2,797.03
5,522.95
2,830.02 | 375.45
447.30
377.25 | 1,333.92
-
1,348.46 | 2/
2/
2/ |
| 55. | Marion
Mattapoisett
Rochester | 1958
1958
1959 | 5,797,739
4,115,233
1,686,093 | 10,652,000
9,187,000
3,134,000 | 17
19
9 | 1
1
1 | 5,219.26
5,219.26
2,661.57 | 177.35
175.37
185.53 | -
-
1,075.57 | -
-
3/ |
| 56. | Ashburnham
Westminster | 1959
1959 | 1,983,466
2,111,204 | 4,136,000
5,297,000 | 17
24 | 3
1 | 5,854.55
7,145.45 | 140.28
156.06 | 2,249.96
2,739.98 | 4/
4/ |
| 57. | Hamilton
Wenham | 1959
1959 | 6,215,676
4,475,995 | 11,283,000
7,841,000 | 54
24 | 3
2 | 10,772.00
4,480.00 | 625.00
292.00 | -
1,532.27 | -
5/ |
| 58. | Boxford
Topsfield | 1960
1960 | 1,317,222
3,189,064 | 4,216,000
9,822,000 | 23
37 | 2
2 | 4,602.50
8,547.50 | 168.74
353.77 | 1,794.11
3,346.61 | 1/
1/ |
| 59. | Menūon
Upton | 1960
1960 | 1,632,181
1,666,378 | 3,422,000
3,552,000 | 11
19 | 1
2 | 4,471.20
6,706.80 | 339.94
507.97 | 2,077.47
3,114.91 | 6/
6/ |
| 60. | Berlin
Boylston | 1961
1961 | 1,369,021
1,078,808 | 2,580,000
2,953,000 | 12
19 | 1
2 | 4,400.00
6,600.00 | 400.00
600.00 | 2,076.95
3,115.43 | 7/
7/ |

1/ Superintendent in dual capacity - includes reimbursement for Union and Pentucket Regional School District.
2/ Superintendent in dual capacity - includes reimbursement for Union and Eastham-Orleans-Wellfleet Regional School District.

3/ Superintendent in dual capacity - includes reimbursement for Union and Old Rochester Regional School District.
4/ Superintendent in dual capacity - includes reimbursement for Union and Ashburnham-Westminster Regional School District.
5/ Superintendent in dual capacity - includes reimbursement for Union and Hamilton-Wenham Regional School District.
6/ Superintendent in dual capacity - includes reimbursement for Union and Mendon-Upton Regional School District.
7/ Superintendent in dual capacity - includes reimbursement for Union and Berlin-Boylston Regional School District.

| | | | | | | | | | | |
|-----|------------|------|--------------|--------------|----|---|-------------|----------|-----------|----|
| 61. | Brimfield | 1963 | \$ 1,178,567 | \$ 2,894,000 | 8 | 1 | \$ 2,651.06 | \$ 93.71 | \$ 942.56 | 1/ |
| | Brookfield | 1963 | 1,538,216 | 3,089,000 | 9 | 1 | 3,477.14 | 119.81 | 1,242.86 | 1/ |
| | Holland | 1963 | 277,310 | 1,614,000 | 5 | 1 | 1,121.50 | 31.42 | 402.90 | 1/ |
| | Sturbridge | 1963 | 2,593,217 | 6,993,000 | 17 | 1 | 5,711.49 | 209.37 | 2,036.55 | 1/ |
| | Wales | 1963 | 419,594 | 1,161,000 | | | 1,411.97 | 46.80 | 501.56 | 1/ |
| 62. | Carver | 1963 | 3,119,737 | 5,153,000 | 16 | 2 | 1,675.49 | 81.73 | 601.04 | 2/ |
| | Plymouth | 1963 | 25,422,539 | 43,402,000 | 90 | 6 | 12,824.51 | 428.71 | " | |

Southern Berkshire
Regional School
District

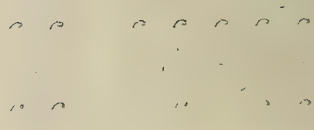
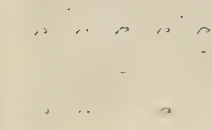
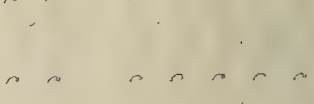
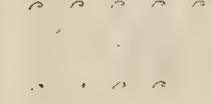
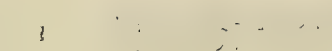
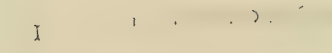
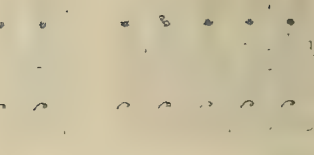
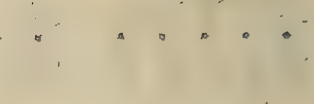
1954 58 9

| | | | | | |
|--------------|-----------|-----------|----------|--------|----------|
| Alford | 367,936 | 633,000 | 587.14 | 23.65 | 242.45 |
| Egremont | 1,109,240 | 2,458,000 | 2,245.56 | 90.45 | 927.24 |
| Monterey | 970,585 | 1,373,000 | 1,354.29 | 54.55 | 559.22 |
| New Marlboro | 1,605,345 | 3,702,000 | 2,673.82 | 107.70 | 1,104.08 |
| Sheffield | 1,871,842 | 4,302,000 | 5,552.45 | 223.65 | 2,292.73 |

Towns of less than \$2,500,000 valuation, not in unions (Chap. 71, sec. 59A)

| | | | | | | | | |
|-------------|------|-----------|-----------|----|---|--------------|-------------|--------------|
| Avon | 1955 | 2,118,339 | 5,891,000 | 53 | 3 | 11,300.00 | - | 3,333.33 |
| Belchertown | 1951 | 1,955,792 | 5,052,000 | 42 | 5 | 10,500.00 | - | 3,333.33 |
| Charlton | 1963 | 2,297,156 | 4,861,000 | 37 | 3 | 7,543.02 | - | 3,333.33 |
| Hampden | 1953 | 1,057,396 | 3,268,000 | 24 | 3 | 8,500.00 | - | 3,333.33 |
| Middleton | 1956 | 2,433,023 | 4,550,000 | 25 | 1 | 10,600.00 | - | 3,333.33 |
| Plainville | 1956 | 1,941,170 | 5,177,000 | 21 | 1 | 8,500.00 | - | 3,333.33 |
| TOTALS | - | - | - | - | - | \$715,691.10 | \$42,169.36 | \$241,715.22 |

1/ Superintendent in dual capacity - includes reimbursement for Union and Tantasqua Regional School District.
2/ Superintendent in dual capacity - includes reimbursement for Union and Carver-Plymouth Regional School District.



III. COUNTY TRAINING SCHOOLS

The following table gives a list of the county training schools in the State for the commitment of habitual truants, absentees, and school offenders:

| <u>County Training Schools</u> | <u>Location</u> | <u>Superintendent</u> |
|--------------------------------|-----------------|-----------------------|
| Essex | Lawrence | John J. Barrett |
| Hampden | Agawam | Thomas F. Reidy |
| Middlesex (1) | No. Chelmsford | Timothy J. Cronin |

The counties of Barnstable, Berkshire, Bristol, Dukes, Franklin, Hampshire, Nantucket, Norfolk, and Plymouth are exempted by law from maintaining training schools of their own, but the county commissioners of each of these counties are required to assign an established training school as a place of commitment for habitual truants, absentees, and school offenders. The places designated by several commissioners are as follows: Berkshire, Franklin, and Hampshire Counties, Agawam; Barnstable, Dukes, Bristol, Nantucket, Norfolk, and Plymouth Counties, North Chelmsford.

(1) Under the law, commitments from Boston, Chelsea, Revere, and Winthrop in Suffolk County shall be to the training school for the county of Middlesex.

Number of Pupils Attending, Admitted, and Discharged; also Teachers Employed

| COUNTY TRAINING SCHOOLS | Enrolled
July 1, 1963 - June 30, 1964 | Admitted
during
the year | Discharged
during
the year | Average
attendance | Teachers
Employed |
|-------------------------|--|--------------------------------|----------------------------------|-----------------------|----------------------|
| Essex | 85 | 48 | 37 | 68.5 | 6 |
| Hampden | 36 | 60 | 50 | 42.0 | 2 |
| Middlesex | 97 | 94 | 98 | 99.5 | 3 |
| Totals | 218 | 202 | 185 | 210.0 | 11 |

IV. STATISTICS OF SCHOOLS IN STATE INSTITUTIONS - FOR THE YEAR ENDING JUNE 30, 1964

(Under Youth Service Board)

Number of Pupils

| STATE INSTITUTIONS | Enrolled
July 1, 1963 - June 30, 1964 | Admitted
during
the year | Discharged
during
the year | Average
attendance | Number
of
Teachers |
|--|--|--------------------------------|----------------------------------|-----------------------|--------------------------|
| Industrial School for
Girls, Lancaster . . . | 114 | 402 | 405 | 130 | 9 |
| Industrial School for
Boys, Shirley | 245 | 680 | 684 | 215 | 8 |
| Lyman School for Boys,
Westborough | 289 | 1,252 | 1,223 | 348 | 14 |
| Totals | 648 | 2,334 | 2,312 | 693 | 31 |

DISTRIBUTION OF WHITE AND NON-WHITE PUPILS
AMONG MASSACHUSETTS PUBLIC SCHOOLS
(388 School Districts)

| Schools
Report-
ing | No. of
Schools
Without
Non-
Whites | No. of
Schools
With
Non-
Whites | Less
Than
1% | PERCENTAGES OF NON-WHITES | | | | | | | | | |
|---------------------------|--|---|--------------------|---------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|--------------|
| | | | | 1 —
10% | 11 —
20% | 21 —
30% | 31 —
40% | 41 —
50% | 51 —
60% | 61 —
70% | 71 —
80% | 81 —
90% | 91 —
100% |
| 2275 | 1011
44.4% | 1264
55.6% | 575
25.27% | 551
24.21% | 46
2.02% | 23
0.97% | 9
0.40% | 5
0.22% | 10
0.44% | 9
0.40% | 5
0.22% | 11
0.48% | 20
0.88% |

New Bedford Vocational High School is included. Other
New Bedford schools are not recorded.

Date _____

SCHOLARSHIPS - CHILDREN OF WORLD WAR VETERANS

Chapter 69, Section 7B of the General Laws was amended by Chapter 492 of the Acts of 1963 changing residence requirements for children of Massachusetts veterans who were killed in action or died as a result of war service and, therefore, eligible to reimbursement toward their higher education. Under residence conditions established by the Board of Education students now may reside outside the Commonwealth if they were born in Massachusetts or lived in the Commonwealth for a period of not less than five years.

During the year ending June 30, 1964, there were 582 students enrolled in institutions of higher education. For that period \$383,620 was reimbursed.

ANNUAL REPORT

Division of Educational Television

Year Ending June 30, 1964

For the seventh consecutive year, school telecasting operated in Massachusetts without appropriated funds. The Massachusetts Executive Committee for Educational Television created by Chapter 567 in 1960 oversees the operation of THE 21 INCH CLASSROOM, a telecasting service supported by funds contributed voluntarily by school systems wishing to participate. Program production and broadcast is conducted through Boston's educational station, WGBH-TV, Channel 2.

Programming

During the school year 1963-64 a total of 27 different instructional series were broadcast for school use. This was a net increase of six over 1962-63. At the elementary level these consisted of six science series, one music, two in literature and language arts, one in social studies, one in current events and three in conversational French. At the secondary level, two series were offered in literature, two in science, one in music, two in social studies and one in public affairs. For teachers, four in-service series were offered. Three of these were in connection with the conversational French project and one was in mathematics.

For 1963-64 one series of programs was retired and seven new ones offered for the first time, so the net increase of service was six. This is the largest one year increase in the seven year history of THE 21 INCH CLASSROOM.

Of these series, the most important was perhaps "Sets and Systems," an in-service mathematics course for elementary teachers. Requests for study guides exceeded the anticipated number by a wide margin. Ultimately slightly over 6800 of the eighty-page booklets were provided without charge to teachers in participating school systems. Numerous favorable letters were received. A number of school systems elected to give teachers completing the course credit toward salary increment. This recorded series will be repeated during 1964-65.

A second new series which had a wide viewership was a series of televised field trips called "Visiting New England." The viewing children were transported by television to such places as Mystic Seaport, Connecticut, Plimoth Plantation and Sturbridge Village for guided tours of these historical sites.

Working in cooperation with the New York City educational station, a weekly, live news and current events series was offered for the first time for fifth, sixth and seventh graders. As many as three hundred letters were received in a week in connection with "Places in the News."

Other new series included science, grade 1, science, grade 4, marine biology, grades 8 and 9, and Shakespeare for senior high school.

AWARDS

The stature of the educational television programs produced under the auspices of the Massachusetts Executive Committee for Educational Television were recognized at a national level in two ways during 1963-64. "All About You," the new first grade science series, was selected for country-wide distribution by the National Instructional Television Library. Combined with the two series selected in 1962-63, programs of THE 21 INCH CLASSROOM make up nearly half of the seven series currently being distributed by the library.

In May of 1964, the Executive Committee and THE 21 INCH CLASSROOM were the recipient of an award from the American Exhibition of Educational Radio and Television Programs. This annual competition is the oldest national award for educational programming in the country. The third grade science series "Land and Sea" was the winner in the category "Elementary Science Programs."

COVERAGE EXPANSION

During 1963-64 the Executive Committee took several steps to bring educational television to more children in the Commonwealth. In the fall of 1963, the committee authorized the installation of two television repeater stations called translators in the area near Springfield and Amherst. Translators are automatic devices which will pick up, amplify, and then re-broadcast a television signal. Until the installation of this equipment, the high hills in central Massachusetts prevented the school telecasts from reaching the Connecticut Valley. In connection with the new service, numerous demonstrations and workshops have been held in the school systems now able to receive the telecasts for the first time.

In July of 1962 the General Court appropriated the sum of \$50,000 for a study and recommendations concerning the means of bringing educational television to the Commonwealth. Because of complications in the wording of the appropriation, the funds were never expended. In the spring of 1964, through the efforts of Commissioner Kiernan, a change in the wording of the appropriation was approved by the legislature. A subcommittee of the Executive Committee, chaired by Deputy Commissioner Curtin has been appointed to prepare recommendations concerning the consultants to be employed and goals of the study.

In addition to the engineering study to establish facilities needed to make educational television available to all citizens of the Commonwealth, the Executive Committee is also planning an extensive study of the value and effectiveness of the programs it is currently presenting. It is hoped that this study will do much to strengthen the broadcast offerings and point the way for new programming during the years ahead.

PERSONNEL CHANGES

In November of 1963, the Executive Committee authorized the creation of the post of Assistant Project Director whose primary responsibilities would be in the area of liaison with the participating school systems. Later the Committee recommended the employment of Miss Louise Greep, a skilled and experienced teacher in the classroom and on television. She has conducted a regular program of workshops for teachers on better use of television in the schools.

In January of 1964, William Powers, Superintendent of Needham Schools was elected Chairman of the Executive Committee replacing William Young, Superintendent of Braintree Schools, who completed his term. William Ohrenberger, Superintendent of Boston Schools, resigned because of the press of his new duties. His Deputy, William Cunningham, was appointed to complete the term. Dr. Thomas Curtin, Deputy Commissioner of Education, was appointed to a four-year term replacing John Hendershot, Superintendent of Wakefield. Hart Fessenden, Headmaster of the Fessenden School, Newton, and Horace Hewlett of Amherst College were re-appointed to four year terms. Other committee members are Monsignor Albert Low, Archdiocese of Boston; Norman Harris, Museum of Science; Gordon Swan, Milton School Committee; John Chaffee, Superintendent of Wellesley; John Fitzpatrick, Superintendent of Chicopee; and Frederick Robinson, Museum of Fine Arts, Springfield. Alan Stephenson is Project Director of the Committee. Offices for the Committee are located at 739 Boylston Street, Boston.

S T A T I S T I C S

FINANCIAL REPORT OF THE DEPARTMENT OF EDUCATION

Fiscal Year ended June 30, 1964

(From Massachusetts Financial Report
prepared by the Comptroller's Bureau)

GENERAL FUND

RECEIPTS BY DEPARTMENTS AND SOURCE FOR THE FISCAL YEAR ENDED JUNE 30, 1964

| Department | Total
Receipts | Taxes &
Surtaxes | Fees, Fines
& Penalties | Contributions
& Assessments |
|--|-------------------|---------------------|----------------------------|--------------------------------|
| EDUCATION: | | | | |
| Division of State Colleges | \$ 1 076 178 04 | \$ - | \$ 1 076 174 04 | \$ - |
| Division of University Extension | 412 445 87 | - | 326 460 12 | - |
| Division of the Blind | 285 065 14 | - | - | - |
| Community School Lunch Program | 50 112 00 | - | - | - |
| Division of Vocational Education | 31 510 78 | - | 2 902 50 | - |
| Division of Schools | 10 153 97 | - | - | - |
| Administration | 2 576 33 | - | - | - |
| Division of Library Extension | 145 00 | - | 145 00 | - |
| Teachers' Retirement Board | 20 75 | - | - | - |
| Schools and Colleges: | | | | |
| University of Massachusetts | 3 400 257 32 | - | 1 882 878 08 | - |
| Massachusetts Maritime Academy | 174 064 05 | - | 36 590 25 | - |
| Massachusetts College of Art | 104 844 83 | - | 104 220 00 | - |
| State Colleges: | | | | |
| Bridgewater | 632 032 30 | - | 299 340 00 | - |
| Fitchburg | 612 644 96 | - | 233 234 79 | - |
| Framingham | 461 952 07 | - | 197 730 00 | - |
| Boston | 387 654 87 | - | 383 382 63 | - |
| Salem | 340 542 79 | - | 312 522 00 | - |
| Worcester | 228 485 75 | - | 227 362 00 | - |
| Westfield | 183 665 47 | - | 138 898 00 | - |
| Lowell | 151 338 64 | - | 146 515 00 | - |
| North Adams | 145 124 34 | - | 97 840 40 | - |
| Technological Institutes: | | | | |
| Lowell | 704 701 93 | - | 602 348 45 | 10 000 00 |
| New Bedford | 173 564 10 | - | 163 169 65 | 10 000 00 |
| Bradford Durfee | 138 560 32 | - | 126 877 40 | 10 000 00 |
| Regional Community Colleges: | | | | |
| Massachusetts Bay - Boston | 190 085 72 | - | 189 930 47 | - |
| Northern Essex - Haverhill | 109 469 52 | - | 109 436 50 | - |
| Berkshire - Pittsfield | 98 767 75 | - | 98 767 75 | - |
| Cape Cod - Hyannis | 96 447 86 | - | 96 399 90 | - |
| Greenfield | 71 492 06 | - | 71 137 08 | - |
| Quinsigamond - Worcester | 63 331 95 | - | 63 331 95 | - |
| Holyoke | 7 831 52 | - | 7 831 52 | - |
| Mt. Wachusett - Gardner | 2 390 00 | - | 2 390 00 | - |
| Youth Service Board: | | | | |
| Administration | 37 509 07 | - | - | - |
| Industrial School for Boys | 16 162 01 | - | - | - |
| Lyman School for Boys | 15 302 10 | - | - | - |
| Industrial School for Girls | 7 979 67 | - | - | - |
| Reception and Detention Facilities for Boys | 2 406 00 | - | - | - |
| Institute of Juvenile Guidance | 1 870 20 | - | - | - |
| Reception and Detention Facilities for Girls | 1 852 59 | - | - | - |
| Residential Treatment Unit, Oakdale | 831 78 | - | - | - |
| Youth Forestry Camp | 258 00 | - | - | - |
| Detention Center, Worcester County | 7 00 | - | - | - |
| Total | \$ 10 431 636 42 | \$ - | \$ 6 997 815 48 | \$ 30 000 00 |

GENERAL FUND

RECEIPTS BY DEPARTMENTS AND SOURCE FOR THE FISCAL YEAR ENDED JUNE 30, 1964

| <u>Interest &
Income</u> | <u>Licenses
& Permits</u> | <u>Reimbursement
for Services</u> | <u>Rents</u> | <u>Sales</u> | <u>Federal
Reimbursement</u> | <u>Miscellaneous</u> |
|----------------------------------|-----------------------------------|---------------------------------------|-----------------|---------------|----------------------------------|----------------------|
| \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ 4 00 |
| - | 1 880 00 | - | - | 19 758 07 | 64 000 00 | 347 68 |
| - | 12 00 | 31 943 60 | - | 252 329 24 | - | 780 30 |
| - | - | 50 000 00 | - | - | - | 112 00 |
| - | - | 13 020 07 | - | - | 15 540 14 | 48 07 |
| - | - | 10 153 97 | - | - | - | - |
| - | 1 800 00 | - | 92 70 | 312 00 | - | 371 63 |
| - | - | - | - | - | - | - |
| - | - | - | - | - | - | 20 75 |
| - | 100 00 | 164 069 11 | 1 184 122 63 | 72 757 32 | 9 628 54 | 86 701 64 |
| - | - | 276 00 | 117 90 | - | 135 334 00 | 1 745 90 |
| - | - | - | 76 83 | 530 00 | 18 00 | - |
| - | - | 327 150 35 | 3 699 42 | 1 446 34 | 93 00 | 303 19 |
| - | - | 375 821 32 | 934 40 | 1 220 82 | 75 00 | 1 358 63 |
| - | - | 259 117 95 | 4 191 59 | 910 03 | - | 2 50 |
| - | - | - | 550 31 | 2 469 07 | 74 00 | 1 178 86 |
| - | - | 25 177 01 | 305 05 | 1 202 00 | 130 00 | 1 206 73 |
| - | - | - | 160 55 | 888 00 | 65 00 | 10 20 |
| - | - | 43 047 57 | 1 295 90 | 340 50 | 45 00 | 38 50 |
| - | - | - | 4 501 34 | 289 00 | 24 00 | 9 30 |
| - | - | 45 316 85 | 1 208 09 | 542 00 | 45 00 | 172 00 |
| - | - | 43 04 | 80 068 01 | 11 127 85 | 273 00 | 841 58 |
| - | - | - | 9 20 | 323 20 | 62 05 | - |
| - | - | - | 204 18 | 1 037 14 | 72 00 | 369 60 |
| - | - | - | 155 25 | - | - | - |
| - | - | - | - | - | - | 33 02 |
| - | - | - | - | - | - | - |
| - | - | - | - | - | - | 47 96 |
| - | - | - | - | - | - | 354 98 |
| - | - | - | - | - | - | - |
| - | - | - | - | - | - | - |
| - | - | 37 347 22 | - | - | - | 161 85 |
| - | - | 3 087 00 | 12 795 65 | 53 86 | - | 225 50 |
| - | - | 4 062 00 | 10 421 40 | 412 58 | - | 406 12 |
| - | - | 4 225 50 | 3 476 90 | 10 58 | - | 266 69 |
| - | - | 1 350 00 | - | - | - | 1 056 00 |
| - | - | 957 00 | 904 80 | - | - | 8 40 |
| - | - | 285 00 | - | - | - | 1 567 59 |
| - | - | 522 00 | 295 68 | 8 10 | - | 6 00 |
| - | - | 258 00 | - | - | - | - |
| - | - | - | - | - | - | 7 00 |
| \$ - | \$ 3 792 00 | \$ 1 397 230 56 | \$ 1 309 587 78 | \$ 367 967 70 | \$ 225 478 73 | \$ 99 764 17 |

GENERAL FUND

STATEMENT OF APPROPRIATIONS, EXPENDITURES AND UNENCUMBERED BALANCES AS OF JUNE 30, 1964

| | | Appropriations | | Other Credits | | Total Credits | | Expenditures | | Encumbrances Continuing Appropriations | | Unencumbered Balance | |
|--|--|----------------|--|---------------|--|---------------|--|--------------|--|--|--|----------------------|--|
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STATEMENT OF APPROPRIATIONS, EXPENDITURES AND UNENCUMBERED BALANCES AS OF JUNE 30, 1964

1300 DEPARTMENT OF EDUCATION

| | Appropriations | Other Credits | Total Credits | Expenditures | Encumbrances Continuing Appropriations | Unencumbered Balance |
|---|----------------|----------------|---------------|--------------|--|----------------------|
| | \$ | \$ | \$ | \$ | \$ | \$ |
| 17-01- Division of the Blind | | | | | | |
| 08 Administration | 388 540 00 | 40 000 00 B | 428 540 00 | 396 891 79 | - | 31 648 21 |
| 10 Aid to adult blind | 2 000 000 00 | 353 162 25 A | 2 353 162 25 | 2 285 088 25 | 20 150 89 | 47 923 11 R |
| 11 Piano tuning | 33 000 00 | - | 33 000 00 | 32 970 10 | - | 29 90 |
| 11 Local shops | 282 278 00 | - | 282 278 00 | 269 381 63 | - | 12 896 37 |
| 15 Salesroom operation | 45 423 00 | 2 049 00 B | 47 472 00 | 39 873 39 | - | 7 598 61 |
| 16 Cambridge industries | 526 287 00 | - | 526 287 00 | 498 229 95 | - | 28 057 05 |
| 18 Retirement grants | 46 000 00 | - | 46 000 00 | 41 974 79 | - | 4 025 21 |
| 28 Promotion - vocational rehabilitation | 155 000 00 | 39 317 56 A | 194 317 56 | 131 641 40 | 42 776 13 | 19 900 03 R |
| 19-01 Teachers' Retirement Board | | | | | | |
| 02 Administration | 176 988 00 | 14 163 00 B | 191 151 00 | 190 812 27 | - | 338 73 |
| 02 Retirement assessments of teachers formerly in military or naval service | 500 00 | - | 500 00 | - | - | 500 00 |
| 27-10 Massachusetts Maritime Academy - maint. of academy, ship and administration | 509 041 00 | 24 483 00 B | 533 524 00 | 510 504 70 | - | 23 019 30 |
| 29-01 Division of State Colleges | | | | | | |
| 02 Administration | 62 000 00 | - | 62 000 00 | 57 725 75 | - | 4 274 25 |
| 02 Program of Continuing Studies | 6 500 00 | 1 050 000 00 F | 1 056 500 00 | 1 051 865 60 | - | 4 634 40 |
| 03 Aid to certain pupils - State Colleges | 4 000 00 | - | 4 000 00 | 4 000 00 | - | - |
| 30-01 State College - Bridgewater | | | | | | |
| 21 Maintenance | 1 138 010 00 | 132 929 00 B | 1 270 939 00 | 1 268 007 97 | - | 2 931 03 |
| 21 Boarding hall, maintenance | 283 915 00 | 4 836 00 B | 288 751 00 | 288 245 45 | - | 505 55 |
| 31-01 State College - Fitchburg | | | | | | |
| 20 Maintenance | 1 035 990 00 | 64 307 00 B | 1 100 297 00 | 1 072 649 69 | - | 27 647 31 |
| 20 Scholarships | 10 000 00 | - | 10 000 00 | 10 000 00 | - | - |
| 21 Boarding hall, maintenance | 155 378 00 | 2 175 00 B | 157 553 00 | 151 314 44 | - | 6 238 56 |
| 32-01 State College - Framingham | | | | | | |
| 21 Maintenance | 695 550 00 | 69 743 00 B | 765 293 00 | 765 291 91 | - | 1 09 |
| 21 Boarding hall, maintenance | 259 530 00 | 7 464 00 B | 266 994 00 | 261 996 81 | - | 4 997 19 |
| 33-01 State College - Lowell | | | | | | |
| 21 Maintenance | 518 914 00 | 52 317 00 B | 571 231 00 | 570 533 34 | - | 697 66 |
| 21 Boarding hall, maintenance | 15 060 00 | - | 15 060 00 | 12 932 55 | - | 2 127 45 |
| 34-01 State College - North Adams | | | | | | |
| 21 Maintenance | 364 452 00 | 31 559 00 B | 396 011 00 | 395 799 54 | - | 211 46 |
| 21 Boarding hall, maintenance | 50 420 00 | 48 00 B | 50 468 00 | 47 938 61 | - | 2 529 39 |
| 35-01 State College - Salem, maintenance | 959 139 00 | 76 201 00 B | 1 035 340 00 | 1 026 206 19 | - | 9 133 81 |
| 36-01 State College - Westfield | | | | | | |
| 21 Maintenance | 516 965 00 | 49 985 00 B | 566 950 00 | 563 614 28 | - | 3 335 72 |
| 21 Boarding hall, maintenance | 31 200 00 | 1 122 00 B | 32 322 00 | 32 058 92 | - | 263 08 |
| 37-01 State College - Worcester, maintenance | 760 740 00 | 536 00 B | 761 276 00 | 757 326 25 | - | 3 949 75 |
| 38-01 State College - Boston | | | | | | |
| 21 Maintenance | 1 153 175 00 | 128 448 00 B | 1 281 623 00 | 1 280 333 66 | - | 1 289 34 |
| 21 Reconstruct coping and parapet | - | 2 626 18 A | 2 626 18 | - | - | 2 626 18 |

| | | | | | | | |
|-------|---|---------------|----------------|---------------|---------------|----------|--------------|
| 39-01 | Massachusetts College of Art, maint. | 381 675 00 | 29 893 00 B | 411 568 00 | 408 946 02 | - | 2 621 98 |
| | Bradford Durfee College of Technology | | | | | | |
| 40-01 | Maintenance | 526 625 00 | 25 450 00 B | 552 075 00 | 545 957 99 | - | 6 117 01 |
| 10 | Scholarships | 2 500 00 | - | 2 500 00 | 2 500 00 | - | - |
| 80 | Summer school | - | 820 43 A | 9 175 43 | 4 152 84 | - | 5 022 59 R |
| | | | 8 355 00 F | | | | |
| | New Bedford Institute of Technology | | | | | | |
| 42-01 | Maintenance | 540 009 00 | 44 556 00 B | 584 565 00 | 584 237 03 | - | 327 97 |
| 10 | Scholarship | 2 500 00 | - | 2 500 00 | 2 500 00 | - | - |
| 80 | Summer school | - | 14 182 33 A | 30 520 48 | 12 855 24 | - | 17 662 11 R |
| | | | 16 338 15 F | | | 3 13 | |
| | Lowell Technological Institute of Mass. | | | | | | |
| 45-01 | Maintenance | 1 975 973 00 | 91 230 00 B | 2 067 203 00 | 2 045 092 44 | - | 22 110 56 |
| 22 | Science Program | 5 000 00 | - | 5 000 00 | 4 494 25 | - | 505 75 |
| 42 | Scholarships | 12 500 00 | - | 12 500 00 | 12 500 00 | - | - |
| 80 | Summer school | - | 51 718 29 A | 151 836 98 | 75 372 57 | 7 608 78 | 68 855 63 R |
| | | | 100 118 69 F | | | | |
| 86 | Sci., tech. & other educ. ref. material, library | 25 000 00 | - | 25 000 00 | 24 847 97 | - | 152 03 |
| 47-01 | Southeastern Mass. Tech. Institute - expenses | 43 451 00 | - | 43 451 00 | 40 575 01 | - | 2 875 99 |
| | University of Massachusetts | | | | | | |
| 50-01 | Maintenance | 13 369 992 00 | 1 234 581 00 B | 14 604 573 00 | 14 506 172 73 | - | 98 400 27 |
| 21 | Research projects, expenses | - | 88 704 71 A | 113 941 36 | 20 173 18 | 1 771 77 | 91 996 41 R |
| | | | 25 236 65 F | | | | |
| 35 | Entertainment | 2 000 00 | - | 2 000 00 | 2 000 00 | - | - |
| 36 | Rental fee - President's house | 1 200 00 | - | 1 200 00 | 1 200 00 | - | - |
| 37 | Medical School, plans | - | - | 100 000 00 | - | - | 100 000 00 R |
| 38 | Medical School, Employment of a dean, ancillary personnel, & certain expenses | - | 98 485 23 A | 98 485 23 | 32 083 30 | 9 349 31 | 57 052 62 R |
| 70 | Senior Internship Program | 35 000 00 | - | 35 000 00 | 29 760 86 | - | 5 239 14 |
| 96 | Commonwealth scholarships | 300 000 00 | - | 300 000 00 | 299 981 05 | - | 18 95 |
| 60-01 | Mass. Bd. of Regional Comm. Coll. - adminis. | 60 087 00 | - | 60 087 00 | 47 586 83 | - | 12 500 17 |
| | Mass. Bay Community College - Boston | | | | | | |
| 61-00 | Administration | 351 039 00 | 17 715 00 B | 368 754 00 | 368 550 72 | - | 203 28 |
| 80 | Summer school | - | 10 188 93 A | 36 774 43 | 18 763 97 | 81 15 | 17 929 31 R |
| 90 | Evening classes | - | 26 585 50 F | 27 408 50 | 20 264 60 | 197 16 | 6 946 74 R |
| | | | 27 408 50 F | | | | |
| | Northern Essex Comm. College - Haverhill | | | | | | |
| 62-00 | Administration | 186 580 00 | 13 942 00 B | 200 522 00 | 200 040 09 | - | 481 91 |
| 80 | Summer school | - | 5 153 58 F | 5 153 58 | 3 982 00 | 540 00 | 631 58 R |
| 90 | Evening classes | - | 11 425 87 F | 11 425 87 | 10 353 70 | 417 77 | 654 40 R |
| | Cape Cod Community College - Hyannis | | | | | | |
| 63-00 | Administration | 186 175 00 | 16 456 00 B | 202 631 00 | 201 826 76 | - | 804 24 |
| 80 | Summer school | - | 2 868 50 F | 2 868 50 | 2 640 70 | - | 227 80 R |
| 90 | Evening classes | - | 14 114 40 F | 14 114 40 | 13 432 00 | - | 682 40 R |
| | Berkshire Community College - Pittsfield | | | | | | |
| 64-00 | Administration | 186 845 00 | 17 130 00 B | 203 975 00 | 203 105 20 | - | 869 80 |
| 80 | Summer school | - | 4 313 00 F | 4 313 00 | 4 184 27 | - | 128 73 R |
| 90 | Evening classes | - | 25 540 70 F | 25 540 70 | 24 025 21 | 319 80 | 1 195 69 R |
| | Quinsigamond Comm. Coll. - Worcester | | | | | | |
| 65-00 | Administration | 182 950 00 | - | 182 950 00 | 152 994 71 | - | 29 955 29 |
| 80 | Summer school | - | 5 994 00 F | 5 994 00 | - | - | 5 994 00 R |
| | Greenfield Community College - Greenfield | | | | | | |
| 66-00 | Administration | 157 791 00 | 9 012 00 B | 166 803 00 | 162 028 33 | - | 4 774 67 |
| 80 | Summer school | - | 4 990 77 A | 15 299 77 | 5 055 28 | 349 64 | 9 894 85 R |
| 90 | Evening classes | - | 10 309 00 F | 12 329 00 | 10 732 11 | - | 1 596 89 R |
| | | | 12 329 00 F | | | | |

GENERAL FUND

STATEMENT OF APPROPRIATIONS, EXPENDITURES AND UNENCUMBERED BALANCES AS OF JUNE 30, 1964

1300 DEPARTMENT OF EDUCATION

| | Appropriations | Other Credits | Total Credits | Expenditures | Encumbrances Continuing Appropriations | Unencumbered Balance |
|--|-----------------|-----------------|-----------------|-----------------|--|----------------------|
| 67-00 Holyoke Comm. Coll., Holyoke | \$ - | \$ 15 000 00 A | \$ 15 000 00 | \$ 11 154 23 | \$ - | \$ 3 845 77 |
| 68-00 Mt. Wachusett Comm. Coll. - Gardner | 20 000 00 | - | 20 000 00 | 13 700 45 | - | 6 299 55 |
| 80-01 Division of Youth Service | 1 127 325 00 | 55 942 00 B | 1 183 267 00 | 1 182 944 81 | - | 322 19 |
| 81-01 Youth Service Board - administration | 801 524 00 | 62 732 00 B | 864 256 00 | 859 722 19 | - | 4 533 81 |
| 82-01 Industrial School for Boys - maintenance | 549 774 00 | 34 038 00 B | 583 812 00 | 580 701 68 | - | 3 110 32 |
| 83-01 Industrial School for Girls - maintenance | 1 033 854 00 | 69 021 00 B | 1 102 875 00 | 1 097 149 12 | - | 5 725 88 |
| 84-01 Lyman School for Boys - maintenance | 422 755 00 | 31 000 00 B | 453 755 00 | 449 017 25 | - | 4 737 75 |
| 85-01 Recep. & deten. facilities for boys, Boston | 370 945 00 | 27 200 00 B | 398 145 00 | 397 275 63 | - | 869 37 |
| 86-01 Institute of Juvenile Guidance - maint. | 201 715 00 | 6 210 00 B | 207 925 00 | 207 138 84 | - | 786 16 |
| 87-01 Recep. & deten. facilities for girls, Boston | 113 407 00 | 9 106 00 B | 122 513 00 | 120 105 06 | - | 2 407 94 |
| 88-01 Detention center - Hampden Cty., maint. | 193 653 00 | 14 889 00 B | 208 542 00 | 208 039 39 | - | 502 61 |
| 89-01 Residential treatment unit, Oakdale, maint. | 120 047 00 | 2 925 00 B | 122 972 00 | 122 948 19 | - | 23 81 |
| 90-01 Detention center - Worcester Cty., maint. | 75 256 00 | 4 901 00 B | 80 157 00 | 80 157 00 | - | - |
| 93-01 Stephen L. French youth forestry camp | 83 968 00 | 7 358 00 B | 91 326 00 | 91 289 54 | - | 36 46 |
| 94-01 School Bldg. Assistance Commission - admin. | 13 291 00 | 589 00 B | 13 880 00 | 13 526 26 | - | 353 74 |
| 02 Board of Educational Assistance | 300 000 00 | 1 980 19 A | 301 980 19 | 298 883 00 | - | 3 097 19 R |
| 03 Expenses | 3 750 00 | - | 3 750 00 | 3 000 00 | - | 750 00 |
| TOTAL | \$41 622 326 00 | \$ 6 730 044 36 | \$48 352 370 36 | \$46 091 763 52 | \$ 170 597 16 | \$ 1 631 598 48 R |
| | | | | | | 458 411 20 |

GENERAL FUND

STATEMENT OF APPROPRIATIONS, EXPENDITURES AND UNENCUMBERED BALANCES AS OF JUNE 30, 1964

| | | <u>Appropriations</u> | <u>Other Credits</u> | <u>Total Credits</u> | <u>Expenditures</u> | <u>Encumbrances Continuing Appropriations</u> | <u>Unencumbered Balance</u> |
|-------|---|-----------------------|------------------------------|----------------------|---------------------|---|-----------------------------|
| 2600 | STATE AID TO CITIES AND TOWNS | | | | | | |
| | Department of Education | | | | | | |
| 13-01 | Children of employed mothers | 5 000 00 | 33 A | 5 000 33 | 5 000 00 | - | 33 R |
| 03 | School superintendents - small towns | 185 000 00 | 6 070 13 A | 191 070 13 | 179 131 66 | - | 11 938 47 R |
| 04 | Transportation of pupils | 8 532 619 00 | 2 300 87 A | 8 534 919 87 | 8 534 918 14 | - | 1 73 R |
| 05 | Vocational education | 6 016 125 00 | 1 663 43 A | 6 017 788 43 | 6 013 547 66 | - | 4 240 77 R |
| 06 | Adult English speaking classes | 103 500 00 | 14 012 17 A | 117 512 17 | 116 923 35 | - | 588 82 R |
| 07 | Outside schools transportation | 184 575 00 | 2 444 70 A | 187 019 70 | 184 572 04 | - | 2 447 66 R |
| 08 | School Building Assistance Commission - construction of school projects | 17 650 000 00 | 260 900 46 A | 17 910 900 46 | 17 885 914 37 | - | 24 986 09 R |
| 09 | School lunch program - partial assistance | 2 750 000 00 | 316 177 29 A | 3 066 177 29 | 3 066 166 03 | - | 11 26 R |
| 10 | Education - deaf and blind pupils | 151 250 00 | 1 518 21 A | 152 768 21 | 151 204 43 | - | 1 563 78 R |
| 11 | Pensions - retired teachers | 3 400 000 00 | 352 860 00 A | 3 752 860 00 | 3 626 497 31 | - | 126 362 69 R |
| 12 | Youth Service Bd. - tuition, public schools | 2 700 00 | 9 374 24 A | 12 074 24 | 11 924 54 | 149 70 | - |
| 13 | Delinquency prevention program, Boston | 37 020 00 | - | 37 020 00 | 37 020 00 | - | - |
| 14 | Delinquency prevention program, Cambridge | 3 500 00 | - | 3 500 00 | 2 333 32 | 1 166 68 | - |
| 15 | School adjustment counsellors | 358 000 00 | 7 912 34 A | 365 912 34 | 329 508 12 | 36 403 38 | 84 R |
| 17 | Retirement system - State's share | 18 500 000 00 | 528 216 13 A
795 910 42 F | 19 824 126 55 | 18 683 514 53 | - | 1 140 612 02 R |
| 18 | Division of Library Extension - regional public libraries | - | 666 236 56 A | 666 236 56 | 278 379 89 | - | 387 856 67 R |
| 19 | Junior Colleges - extended courses | 53 900 00 | 6 026 32 A | 59 926 32 | 59 917 19 | - | 9 13 R |
| 20 | Public libraries | 1 270 000 00 | - | 1 270 000 00 | 1 249 970 64 | - | 20 029 36 R |

STATEMENT XXVII
FEDERAL GRANTS

STATEMENT OF APPROPRIATIONS, EXPENDITURES AND UNENCUMBERED BALANCES AS OF JUNE 30, 1964

| | July 1, 1963
Balance | Receipts | Total
Credits | Total
Charges | Encumbrances
Continuing
Appropriations | Unencumbered
Balance |
|--|-------------------------|--------------|------------------|------------------|--|-------------------------|
| 4100 | | | | | | |
| Department of Education | | | | | | |
| 44-00 Lowell Tech. Institute - Summer Science | 6 261 74 | 2 000 00 | 8 261 74 | 6 436 86 | - | 1 824 88 R |
| 45-00 Program for Secondary Students | 6 538 79 | 15 969 00 | 22 507 79 | 21 042 05 | - | 1 367 05 R |
| 46-00 Summer Inst. in BSCS - Bridgewater, S. C. | 4 121 00 | - | 4 121 00 | 98 69 a | - | - |
| 47-00 Dept. of Physics - North Adams, S. C. | 9 800 31 | 156 210 36 | 166 010 67 | 43 097 60 | 1 950 30 | 120 962 77 R |
| 48-00 Manpower development & training - adminis. | 315 410 00 | 1 817 283 08 | 2 132 693 08 | 1 406 317 37 | - | 726 375 71 R |
| 49-00 Manpower development & training - training | 14 004 53 | 99 672 00 | 113 676 53 | 103 403 21 | 29 18 | 8 872 67 R |
| 50-00 A. R. A. retraining program | 16 137 92 | 122 847 00 | 138 984 92 | 104 672 65 | 24 882 54 | 9 429 73 R |
| 51-00 Div. of Library Extens. - rural services | - | 12 200 00 | 12 200 00 | 12 200 00 | - | - |
| 52-00 Grad. fellowship prog. - educ. mentally retarded | 513 055 63 | 3 442 993 00 | 3 956 048 63 | 3 520 340 91 | - | 435 707 72 R |
| 53-00 Special milk program | 344 740 05 | 730 701 65 | 1 075 441 70 | 927 293 02 | 3 141 07 | 145 007 61 R |
| 54-00 Smith-Hughes and Barden Acts | 16 902 07 | 2 468 896 00 | 2 485 798 07 | 2 485 798 07 | - | - |
| 55-00 Community school lunch program | 4 500 00 | - | 4 500 00 | - | - | 4 500 00 R |
| 56-00 Science clubs | 37 356 51 | 248 075 92 | 285 432 43 | 142 603 70 | 154 12 | 142 674 61 R |
| 57-00 National Defense Education Act | 5 378 28 | 48 462 94 | 53 841 22 | 48 307 54 | 5 066 92 | 466 76 R |
| 58-00 Area vocational education program | 1 553 765 20 | 1 725 141 39 | 3 278 906 59 | 1 191 700 91 | 2 087 115 64 | 90 04 R |
| 59-00 Miscellaneous provisions | 35 991 39 | 42 167 15 | 78 158 54 | 61 069 06 | 2 679 45 | 14 410 03 R |
| 60-00 Acquisition equipment & remodeling | 57 461 03 | 353 580 16 | 411 041 19 | 386 994 32 | 1 927 65 | 22 119 22 R |
| 61-00 Supervision & administration - State plan | 6 044 74 | 141 471 00 | 147 515 74 | 130 412 10 | 495 25 | 16 608 39 R |
| 62-00 Guidance, counseling & testing program | 30 597 39 | 1 216 138 47 | 1 246 735 86 | 1 241 183 00 | - | 5 552 86 R |
| 63-00 Aid to the Blind | 47 364 47 | 196 215 13 | 243 579 60 | 192 972 06 | 22 143 11 | 28 464 43 R |
| 64-00 Administration | - | 518 263 00 | 518 263 00 | 518 263 00 | - | - |
| 65-00 Grants in aid | - | 56 036 91 | 56 036 91 | 56 036 91 | - | - |
| 66-00 Vocational rehabilitation | - | 9 834 92 | 9 834 92 | 9 834 92 | - | - |
| 67-00 University of Massachusetts | - | 518 263 00 | 518 263 00 | 518 263 00 | - | - |
| 68-00 Agricultural extension work | - | 56 036 91 | 56 036 91 | 56 036 91 | - | - |
| 69-00 Agricultural marketing research | - | 9 834 92 | 9 834 92 | 9 834 92 | - | - |
| 70-00 Rural civil defense | - | 9 834 92 | 9 834 92 | 9 834 92 | - | - |

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FEDERAL GRANTS

STATEMENT OF APPROPRIATIONS, EXPENDITURES AND UNENCUMBERED BALANCES AS OF JUNE 30, 1964

| | July 1, 1963
Balance | Receipts | Total
Credits | Total
Charges | Encumbrances
Continuing
Appropriations | Unencumbered
Balance |
|---|-------------------------|------------|------------------|------------------|--|-------------------------|
| 4200 | | | | | | |
| Department of Education | | | | | | |
| Lowell Technological Institute | | | | | | |
| 80-00 Nuclear chemistry & radiochemistry research | 8 935 00 | - | 8 935 00 | 8 539 43 | 395 05 | 52 R |
| 81-00 Payment of fabrication charges - Pu Be Source | 775 00 | - | 775 00 | 765 00 | - | 10 00 R |
| 82-00 Summer sci. tng. prog. - secondary sch. stud. | - | 2 000 00 | 2 000 00 | 98 20 | 269 25 | 1 632 55 R |
| Miscellaneous | | | | | | |
| 52-00 Endowment of colleges | 38 949 76 | 322 375 97 | 361 325 73 | 361 325 73 | - | - |
| 55-00 Federal nursery production | 204 90 | - | 204 90 | 65 08 | 69 50 | 70 32 R |
| 4300 | | | | | | |
| Department of Education | | | | | | |
| University of Massachusetts | | | | | | |
| 21-00 Goessmann Chem. Lab. - research equipment | - | 13 600 00 | 13 600 00 | - | - | 13 600 00 R |

| | | CURRENT FISCAL YEAR | | | | CUMULATIVE TOTALS | | |
|---|--|-----------------------------------|------------------|-------------------------|--------------|-------------------------|------------------------|-------------------|
| | | Appropriations
& Other Credits | Total
Credits | Expenditures | Encumbrances | Unencumbered
Balance | Total
Authorization | Total
Payments |
| DEPARTMENT OF EDUCATION | | | | | | | | |
| 8063-53 | Inv. & study -educ. tele. & broadcasting equip. | 50 000 00 A | 50 000 00 | - | - | 50 000 00 R | 50 000 00 | - |
| 8064-07 | Scientific, technological & other educational
reference material - Educational Institutions | 200 000 00 | 200 000 00 | 79 567 87 | 97 248 71 | 23 183 42 R | 200 000 00 | 79 567 87 |
| 8157-11 | Fire protection improvements - buildings | 56 92 A | 56 92 | - | 56 92 | - | 15 000 00 | 14 943 08 |
| 8164-23 | Scientific, technological & other educational
reference material - Educational Institutions | 100 000 00 | 100 000 00 | 34 356 38 | 43 086 21 | 22 557 41 R | 100 000 00 | 34 356 38 |
| 8255-06 | Fire protection improvements - buildings | 72 38 A | 72 38 | - | 72 38 | - | 526 436 50 | 526 364 12 |
| 8260-07 | Fire protection improvements | 48 449 11 A
167 500 00 K | 215 949 11 | 6 435 65
39 062 28 D | 170 451 18 | - | 375 597 72 | 205 146 54 |
| Office of the Commissioner | | | | | | | | |
| 8165-71 | Equipment | 1 600 00 | 1 600 00 | - | - | 1 600 00 R | 1 600 00 | - |
| 8263-66 | Equipment | 9 17 A | 9 17 | - | - | 9 17 | 990 83 | 990 83 |
| 8264-76 | Equipment | 2 460 00 | 2 460 00 | 2 029 74 | 156 00 | 274 26 R | 2 460 00 | 2 029 74 |
| Board of Education | | | | | | | | |
| 8263-68 | Equipment | 5 00 A | 5 00 | - | - | 5 00 | 345 00 | 345 00 |
| 8264-77 | Equipment | 335 00 | 335 00 | 311 00 | - | 24 00 R | 335 00 | 311 00 |
| State Building, Newbury Street | | | | | | | | |
| 8165-72 | Repairs and improvements | 6 500 00 | 6 500 00 | - | - | 6 500 00 R | 6 500 00 | - |
| 73 | Equipment | 400 00 | 400 00 | - | - | 400 00 R | 400 00 | - |
| 8263-67 | Repairs and improvements | 5 00 A | 5 00 | - | - | 5 00 | 3 195 00 | 3 195 00 |
| 8165-74 | School Lunch & Commodity Distr. Prog. - equip. | 905 00 | 905 00 | - | - | 905 00 R | 905 00 | - |
| Division of Vocational Education | | | | | | | | |
| 75 | Equipment | 1 000 00 | 1 000 00 | - | - | 1 000 00 R | 1 000 00 | - |
| 8263-69 | Equipment | 400 00 A | 400 00 | 394 70 | - | 5 30 | 394 70 | 394 70 |
| 8264-78 | Equipment | 1 500 00 | 1 500 00 | 665 50 | - | 834 50 R | 1 500 00 | 665 50 |
| Division of Immigration & Americanization | | | | | | | | |
| 8165-76 | Equipment | 1 000 00 | 1 000 00 | - | - | 1 000 00 R | 1 000 00 | - |
| 8264-79 | Equipment | 1 200 00 | 1 200 00 | 600 00 | 597 00 | 3 00 R | 1 200 00 | 600 00 |
| 8165-77 | Division of Public Libraries - scientific,
tech. & other educ. reference material | 16 000 00 | 16 000 00 | - | - | 16 000 00 R | 16 000 00 | - |
| Division of the Blind | | | | | | | | |
| Administration | | | | | | | | |
| 8165-78 | Equipment | 5 500 00 | 5 500 00 | - | - | 5 500 00 R | 5 500 00 | - |
| 8263-71 | Equipment | 450 00 A | 450 00 | 408 45 | - | 41 55 | 408 45 | 408 45 |
| 8264-80 | Equipment | 5 315 00 | 5 315 00 | 3 571 70 | 353 88 | 1 389 42 R | 5 315 00 | 3 571 70 |
| Local Shops | | | | | | | | |
| 8165-79 | Equipment | 2 500 00 | 2 500 00 | - | - | 2 500 00 R | 2 500 00 | - |
| 8263-72 | Repairs | 2 500 00 A | 2 500 00 | 1 062 32 | 565 00 | 872 68 | 1 627 32 | 1 062 32 |
| 73 | Equipment | 64 94 A | 64 94 | - | - | 64 94 | 435 06 | 435 06 |
| 8264-81 | Repairs and improvements | 1 000 00 | 1 000 00 | 829 00 | - | 171 00 R | 1 000 00 | 829 00 |
| 82 | Equipment | 1 125 00 | 1 125 00 | 150 53 | - | 974 47 R | 1 125 00 | 150 53 |
| 83 | Operation of Salesrooms - equipment | 300 00 | 300 00 | 70 75 | - | 229 25 R | 300 00 | 70 75 |
| Cambridge Industries | | | | | | | | |
| 8165-80 | Equipment | 3 400 00 | 3 400 00 | - | - | 3 400 00 R | 3 400 00 | - |
| 8263-74 | Equipment | 3 034 00 A | 3 034 00 | 1 485 80 | 1 155 74 | 392 46 | 3 272 54 | 2 116 80 |
| 8264-84 | Equipment | 4 735 00 | 4 735 00 | 1 872 44 | 1 303 00 | 1 559 56 R | 4 735 00 | 1 872 44 |
| Teachers' Retirement Board | | | | | | | | |
| 8165-81 | Equipment | 4 000 00 | 4 000 00 | - | - | 4 000 00 R | 4 000 00 | - |
| 8263-75 | Equipment | 263 10 A | 263 10 | 260 00 | - | 3 10 | 1 926 90 | 1 926 90 |
| 8264-85 | Equipment | 1 350 00 | 1 350 00 | 1 343 40 | - | 6 60 R | 1 350 00 | 1 343 40 |
| Massachusetts Maritime Academy | | | | | | | | |
| 8063-03 | Construction of engineering classroom bldg. | 269 000 00 A | 269 000 00 | - | 1 100 00 | 267 900 00 R | 269 000 00 | - |

BOND FUNDS

STATEMENT OF APPROPRIATIONS, EXPENDITURES AND UNENCUMBERED BALANCES AS OF JUNE 30, 1964

| | | CURRENT FISCAL YEAR | | | | CUMULATIVE TOTALS | |
|--------------------------------|--|-----------------------------------|------------------|--------------|--------------|-------------------------|------------------------|
| | | Appropriations
& Other Credits | Total
Credits | Expenditures | Encumbrances | Unencumbered
Balance | |
| | | | | | | | Total
Authorization |
| | | | | | | | Payments |
| | | | | | | | |
| DEPARTMENT OF EDUCATION | | | | | | | |
| Massachusetts Maritime Academy | | | | | | | |
| 8165-82 | Equipment | \$ 1 500 00 | \$ 1 500 00 | - | - | \$ 1 500 00 R | \$ - |
| 83 | Sci., tech. & other educ. ref. material-library | 15 000 00 | 15 000 00 | - | - | 15 000 00 R | - |
| 8259-10 | Acquisition, land with buildings | 1 554 94 A | 1 554 94 | - | 1 554 94 | - | 58 595 06 |
| 11 | Plans - engineering classroom building | 7 091 90 A | 7 091 90 | - | 7 091 90 | - | 22 908 10 |
| 13 | Construction - central heating plant | 24 233 13 A | 24 233 13 | 18 122 87 | 2 634 90 | - | 106 049 74 |
| | | | | 3 475 36 K | | | |
| 14 | Addition, administrative offices & renov. bldg. | 10 972 59 A | 10 972 59 | - | 10 972 59 | - | 64 027 41 |
| 8260-08 | Addition, administrative offices & renov. bldg. | 424 32 A | 424 32 | - | 424 32 | - | 69 325 68 |
| 8262-04 | Purchase & install power conversion unit | 12 266 96 A | 12 266 96 | 4 076 61 | 200 80 | 7 989 55 R | 51 809 65 |
| 8263-76 | Equipment | 33 90 A | 33 90 | - | - | 33 90 | 966 10 |
| 8264-86 | Repairs & improvements - wharf & buildings | 85 000 00 | 85 000 00 | - | 6 050 00 | 78 950 00 R | - |
| 87 | Equipment | 2 800 00 | 2 800 00 | - | - | 2 034 71 R | 765 29 |
| 8463-74 | Acquisition of property, improvements | 37 624 85 A | 37 624 85 | - | 2 624 85 | 35 000 00 R | 17 375 15 |
| 8165-84 | Division of State Colleges - Scientific, tech., & other educational reference material | 200 000 00 | 200 000 00 | - | - | 200 000 00 R | - |
| State College - Boston | | | | | | | |
| 8064-16 | Plans - physical education building | 80 000 00 | 80 000 00 | - | 64 100 00 | 15 900 00 R | - |
| 17 | Renov. & improve - administration building | 100 000 00 | 100 000 00 | - | 56 000 00 | 44 000 00 R | - |
| 18 | Constr. sci. bldg. & renov. p. plt. util. dist. sys. | 127 000 00 | 127 000 00 | - | - | 127 000 00 R | - |
| 8157-25 | Plans - improvements to college buildings | 2 191 27 A | 2 191 27 | 2 191 27 K | - | - | 31 808 73 |
| 8259-36 | Building renovations and improvements | 817 86 A | 817 86 | 813 27 K | 4 59 | - | 271 182 14 |
| 8260-19 | Building renovations and improvements | 5 414 74 A | 5 414 74 | 5 414 74 D | - | - | 34 585 26 |
| 93 | Plans - auditorium, science & classroom bldg. | 2 909 57 A | 2 909 57 | 2 909 57 | - | - | 100 000 00 |
| 8261-28 | Construction - science classroom building | 1 440 631 51 A | 1 440 631 51 | 1 004 535 27 | 353 319 44 | 82 776 80 R | 2 163 903 76 |
| 8263-94 | Improv. distrib. sys., renov. classrooms. & lib. | 73 797 12 A | 73 797 12 | 51 486 58 | 22 310 54 | - | 52 689 46 |
| 95 | Improve exterior walls and roofs | 58 573 40 A | 58 573 40 | 17 107 90 | 8 905 50 | 32 560 00 | 21 534 50 |
| 96 | Equipment | 1 317 00 A | 1 317 00 | 89 97 | 1 224 25 | 2 78 | 2 772 97 |
| 8265-04 | Repairs and improvements | 5 500 00 | 5 500 00 | - | - | 5 500 00 R | - |
| 05 | Exterior painting | 14 000 00 | 14 000 00 | - | - | 14 000 00 R | - |
| 06 | Equipment | 15 000 00 | 15 000 00 | - | - | 15 000 00 R | - |
| 8364-10 | Repairs and improvements | 25 500 00 | 25 500 00 | 1 600 00 | - | 23 900 00 R | 1 600 00 |
| 11 | Equipment | 11 200 00 | 11 200 00 | 10 005 69 | 60 00 | 1 134 31 R | 10 005 69 |
| State College - Bridgewater | | | | | | | |
| 8063-04 | Constr. power plant, improv. utility system | 910 000 00 A | 998 000 00 | 342 082 76 | 655 917 24 | - | 342 082 76 |
| | | 88 000 00 D | | | | | |
| 8157-13 | Plans - plumbing renovations | 3 546 69 A | 3 546 69 | 360 01 | - | - | 6 813 32 |
| | | | | 3 186 68 K | | | |
| 8165-85 | Repairs and improvements | 13 550 00 | 13 550 00 | - | - | 13 550 00 R | - |
| 86 | Equipment - Boarding Hall | 22 000 00 | 22 000 00 | - | - | 22 000 00 R | - |
| 87 | Fire escapes - Tellinghast & Woodward Dorm. | 20 000 00 | 20 000 00 | - | - | 20 000 00 R | - |
| 8258-24 | Dormitory | 26 715 08 A | 26 715 08 | - | 3 320 05 | 23 395 03 R | 598 284 92 |
| 25 | Dorm. & improv. kitchen & dining facilities | 86 016 46 A | 86 016 46 | - | 31 20 | 85 985 26 R | 1 223 983 54 |
| 8259-15 | Improv. plumbing, heating & ventilating sys. | 88 374 96 A | 88 374 96 | 55 524 81 | 21 960 91 | - | 117 149 85 |
| | | | | 10 889 24 K | | | |
| 8260-09 | Dormitory | 11 383 64 A | 11 383 64 | - | - | 11 383 64 R | 85 616 36 |
| 10 | Land & plans - new Science Building | 10 635 25 A | 10 635 25 | 118 90 | - | 10 516 35 R | 99 483 65 |

| | | | | | | | | | |
|-----------------------------|---|----------------|--------------|--|------------|--------------|--------------|--------------|--|
| State College - Bridgewater | | | | | | | | | |
| 8262-05 | Science classrm. building - improv. gym. | 1 697 050 18 A | 1 697 050 18 | 1 039 073 21 | 378 118 40 | 279 858 57 R | 2 380 000 00 | 1 722 023 03 | |
| 8263-77 | Repairs and improvements | 3 627 00 A | 3 627 00 | 3 610 00 | - | 17 00 | 7 983 00 | 7 983 00 | |
| 78 | Equipment | 709 03 A | 709 03 | 390 62 | 190 00 | 128 41 | 7 146 59 | 6 956 59 | |
| 8264-88 | Repairs and improvements | 16 550 00 | 16 550 00 | 13 222 10 | 2 162 90 | 1 165 00 R | 16 550 00 | 13 222 10 | |
| 89 | Repairs, Boarding Hall | 5 000 00 | 5 000 00 | - | - | 5 000 00 R | 5 000 00 | - | |
| 90 | Repairs to floors, Burnell School | 20 000 00 | 20 000 00 | 6 750 81 | 68 19 | 13 181 00 R | 20 000 00 | 6 750 81 | |
| 91 | Improvements and additions - library | 32 000 00 | 32 000 00 | 299 00 | 11 108 05 | 20 592 95 R | 32 000 00 | 299 00 | |
| 92 | Equipment, Boarding Hall | 12 700 00 | 12 700 00 | 5 924 09 | 758 60 | 6 017 31 R | 12 700 00 | 5 924 09 | |
| 93 | Classroom and laboratory equipment | 36 000 00 | 36 000 00 | 16 952 17 | 6 408 05 | 12 639 78 R | 36 000 00 | 16 952 17 | |
| State College - Fitchburg | | | | | | | | | |
| 8063-05 | Plans - Women's dormitory | 90 953 60 A | 90 953 60 | 15 115 24 | 36 952 48 | 38 885 88 R | 91 000 00 | 15 161 64 | |
| 54 | Improv. physical education fields & facilities | 250 000 00 A | 250 000 00 | - | 17 756 00 | 232 244 00 R | 250 000 00 | - | |
| 8165-88 | Repairs and improvements | 26 000 00 | 26 000 00 | - | - | 26 000 00 R | 26 000 00 | - | |
| 89 | Equipment - Boarding Hall | 16 500 00 | 16 500 00 | - | - | 16 500 00 R | 16 500 00 | - | |
| 8259-18 | Acquisition land & plans, buildings | 35 491 10 A | 35 491 10 | 1 406 84 | - | 34 084 26 R | 122 000 00 | 87 915 74 | |
| 20 | Plumbing renov. & improv. admin. building | 60 000 00 A | - | - | - | - | - | - | |
| -60 000 00 N | | | | | | | | | |
| 21 | Plans - improv. boiler plt. & utility dist. sys. | 19 200 76 A | 19 200 76 | 19 200 76 K | - | - | 10 799 24 | 10 799 24 | |
| 8260-11 | Improv. boiler plant & utility dist. system | 40 079 06 A | 40 079 06 | 40 079 06 D | - | - | 109 920 94 | 109 920 94 | |
| 12 | Library, aud., admin. classrm. bldg. renov. | 661 494 74 A | 661 494 74 | 216 457 41 | 69 668 57 | 375 368 76 R | 2 500 000 00 | 2 054 962 67 | |
| 8263-79 | Repairs and improvements | 10 954 20 A | 10 954 20 | 10 054 20 | 797 00 | 103 00 | 10 897 00 | 10 100 00 | |
| 80 | Equipment | 1 320 91 A | 1 320 91 | 1 319 33 | - | 1 58 | 3 748 42 | 3 748 42 | |
| 8264-94 | Repairs and improvements | 10 350 00 | 10 350 00 | - | 2 584 00 | 7 766 00 R | 10 350 00 | - | |
| 95 | Equipment, Boarding Hall | 7 300 00 | 7 300 00 | 4 289 64 | 1 361 79 | 1 648 57 R | 7 300 00 | 4 289 64 | |
| State College - Framingham | | | | | | | | | |
| 8064-08 | Plans - classrm. - lib. - language lab. building | 75 000 00 | 75 000 00 | - | 72 100 00 | 2 900 00 R | 75 000 00 | - | |
| 8165-90 | Repairs & improvements - Boarding Hall | 13 400 00 | 13 400 00 | - | - | 13 400 00 R | 13 400 00 | - | |
| 91 | Equipment - Boarding Hall | 10 000 00 | 10 000 00 | - | - | 10 000 00 R | 10 000 00 | - | |
| 8258-26 | Dormitory, Student Union Bldg., parking, etc. | 86 660 71 A | 86 660 71 | - | 86 210 61 | 450 10 R | 1 500 000 00 | 1 413 339 29 | |
| 8259-23 | Plans - improv. boiler plt. & utility dist. sys. | 957 44 A | 957 44 | 957 44 | - | - | 30 000 00 | 30 000 00 | |
| 24 | Land and land with buildings | 8 160 22 A | 8 160 22 | 714 05 | 2 709 00 | 4 737 17 R | 40 000 00 | 32 553 83 | |
| 25 | Constr. bldg. & renov. facilities & remove bldg. | 134 663 74 A | 134 663 74 | 9 649 33 | 421 25 | 124 593 16 R | 276 000 00 | 150 985 59 | |
| 8260-13 | Improv. boiler plt. & utility dist. systems | 267 184 68 A | 267 184 68 | 73 037 71 | 136 974 72 | - | 792 827 75 | 655 853 03 | |
| 14 | Home Economics & Science Bldg. & pkg. area | 389 048 63 A | 389 048 63 | 57 172 25 D
83 101 50
227 488 70 D | 78 458 43 | - | 1 897 511 30 | 1 819 052 87 | |
| 8263-81 | Repairs and improvements | 5 000 00 A | 5 000 00 | 1 995 00 | 2 987 50 | 17 50 | 4 982 50 | 1 995 00 | |
| 82 | Renov. for classrms., May & Dwight Halls | 66 000 00 A | 66 000 00 | 3 705 45 | 62 294 55 | - | 66 000 00 | 3 705 45 | |
| 83 | Equipment | 536 55 A | 536 55 | 535 50 | - | 1 05 | 7 198 95 | 7 198 95 | |
| 8264-96 | Repairs and improvements | 10 000 00 | 10 000 00 | 4 987 50 | - | 5 012 50 R | 10 000 00 | 4 987 50 | |
| 97 | Equipment, Boarding Hall | 13 475 00 | 13 475 00 | 8 767 81 | 1 019 25 | 3 687 94 R | 13 475 00 | 8 767 81 | |
| 98 | Classroom and laboratory equipment | 19 650 00 | 19 650 00 | 8 050 66 | 8 239 71 | 3 359 63 R | 19 650 00 | 8 050 66 | |
| State College - Lowell | | | | | | | | | |
| 8063-06 | Constr. power plt. & improv. utility dist. sys. | 787 289 27 A | 787 289 27 | 5 479 80 | 21 072 32 | 760 737 15 R | 800 000 00 | 18 190 53 | |
| 45 | Construction - Women's dormitory | 993 000 00 A | 993 000 00 | 14 502 01 | 28 800 00 | 949 697 99 R | 993 000 00 | 14 502 01 | |
| 46 | Acquisition of property | 40 000 00 A | 40 000 00 | 1 170 00 | 625 00 | 38 205 00 R | 40 000 00 | 1 170 00 | |
| 8165-92 | Repairs and improvements | 5 000 00 | 5 000 00 | - | - | 5 000 00 R | 5 000 00 | - | |
| 93 | Equipment | 5 000 00 | 5 000 00 | - | - | 5 000 00 R | 5 000 00 | - | |
| 8259-26 | Plans - addition - science classrooms | 1 294 47 A | 1 294 47 | - | - | 1 294 47 R | 25 000 00 | 23 705 53 | |
| 28 | Renovation, heating system | 14 021 59 A | 14 021 59 | 9 669 46 | 4 352 13 | - | 63 220 00 | 58 867 87 | |
| 29 | Improv. athletic & parking facilities | 23 457 84 A | 30 107 84 | 25 784 73 | 1 373 11 | 2 950 00 R | 31 650 00 | 27 326 89 | |
| 8260-15 | Addition - science classrooms | 6 650 00 K | 36 704 14 | - | 105 97 | 36 598 17 R | 406 000 00 | 369 295 86 | |
| 8261-21 | Constr. adminis., cafeteria, lib., classrm. bldg. | 255 586 22 A | 255 586 22 | 36 166 82 | 28 137 85 | 191 281 55 R | 1 403 000 00 | 1 183 580 60 | |
| 8262-06 | Improv. athletic & parking facilities | 14 044 80 A | 14 044 80 | 9 402 99 | 2 163 91 | 2 477 90 R | 15 000 00 | 10 358 19 | |

BOND FUNDS

STATEMENT OF APPROPRIATIONS, EXPENDITURES AND UNENCUMBERED BALANCES AS OF JUNE 30, 1964

| | CURRENT FISCAL YEAR | | | | | CUMULATIVE TOTALS | |
|--|-----------------------------------|------------------|--------------|--------------|-------------------------|-------------------|--------------|
| | Appropriations
& Other Credits | Total
Credits | Expenditures | Encumbrances | Unencumbered
Balance | Total | Total |
| | | | | | | Authorization | Payments |
| DEPARTMENT OF EDUCATION | | | | | | | |
| State College - Lowell | | | | | | | |
| 8263-84 Repairs and improvements | \$ 4 000 00 A | \$ 4 000 00 | \$ 2 995 00 | \$ 1 005 00 | \$ - | \$ 4 000 00 | \$ 2 995 00 |
| 85 Equipment | 2 956 00 A | 2 956 00 | 1 567 75 | 1 388 25 | - | 3 000 00 | 1 611 75 |
| 8264-99 Repairs and improvements | 12 000 00 | 12 000 00 | - | - | 12 000 00 R | 12 000 00 | - |
| 8364-01 Equipment | 5 000 00 | 5 000 00 | - | - | 5 000 00 R | 5 000 00 | - |
| State College - North Adams | | | | | | | |
| 8063-07 Acquis. - property & plans - new power plant | 215 000 00 A | 215 000 00 | 933 23 | 30 633 23 | 183 433 54 R | 215 000 00 | 933 23 |
| 8064-09 Plans - Women's dorm., kitchen & dining fac. | 75 000 00 | 75 000 00 | - | 62 100 00 | 12 900 00 R | 75 000 00 | - |
| 10 Boiler plant & utility distribution system | 800 000 00 | 800 000 00 | - | 45 100 00 | 754 900 00 R | 800 000 00 | - |
| 8157-21 Plans - Science, Gymn. & Auditorium Bldg. | 15 794 92 A | 15 794 92 | 15 138 33 | 656 59 | - | 75 000 00 | 74 343 41 |
| 22 Renovations & improvements - boiler plant | 16 269 15 A | 16 269 15 | 16 269 15 K | - | - | 19 730 85 | 19 730 85 |
| State College - Westfield | | | | | | | |
| 8165-94 Repairs and improvements | 1 000 00 | 1 000 00 | - | - | 1 000 00 R | 1 000 00 | - |
| 95 Equipment - Boarding Hall | 16 325 00 | 16 325 00 | - | - | 16 325 00 R | 16 325 00 | - |
| 8256-16 Renovations & improvements - boiler plant | 1 034 66 A | 1 034 66 | 823 45 K | 211 21 | - | 81 776 55 | 81 565 34 |
| 8258-87 Science, Gymn. & Audit. Bldg. & elevator | 9 811 65 A | 11 218 65 | 7 330 40 | 3 888 25 | - | 1 501 407 00 | 1 497 518 75 |
| 8263-86 Equipment | 1 407 00 K | 47 45 | 44 45 | - | 3 00 | 2 497 00 | 2 497 00 |
| 8364-02 Equipment, Boarding Hall | 47 45 A | 5 250 00 | 5 189 12 | - | 60 88 R | 5 250 00 | 5 189 12 |
| State College - Salem | | | | | | | |
| 8063-08 Acquis. property & plans - dorm. & dining fac. | 183 345 00 A | 183 345 00 | 103 417 06 | 45 450 00 | 34 477 94 R | 184 000 00 | 104 072 06 |
| 8064-11 Boiler plant | 475 000 00 | 475 000 00 | 2 400 00 | 26 400 00 | 446 200 00 R | 475 000 00 | 2 400 00 |
| 12 Plans - Student-Union Bldg., cafeteria | 75 000 00 | 75 000 00 | - | 46 100 00 | 28 900 00 R | 75 000 00 | - |
| 13 Plans - Men's Dormitory | 75 000 00 | 75 000 00 | - | 62 100 00 | 12 900 00 R | 75 000 00 | - |
| State College - Westfield | | | | | | | |
| 8165-96 Repairs and improvements | 20 000 00 | 20 000 00 | - | - | 20 000 00 R | 20 000 00 | - |
| 97 Repairs - exterior walls, Academic Building | 10 000 00 | 10 000 00 | - | - | 10 000 00 R | 10 000 00 | - |
| 98 Equipment | 13 000 00 | 13 000 00 | - | - | 13 000 00 R | 13 000 00 | - |
| 8256-17 Library, Aud., Gymn., Caf., Admin. Building | 1 790 26 A | 1 790 26 | 824 39 K | 965 87 | - | 1 149 175 61 | 1 148 209 74 |
| 8258-01 Library, Aud., Gymn., Caf., Admin. Building | 205 83 A | 4 345 83 | 4 024 90 | 276 00 | - | 920 095 07 | 919 819 07 |
| 8259-32 Cafeteria - training school | 4 140 00 K | 3 228 56 | 44 93 K | 425 00 | - | 22 196 44 | 21 771 44 |
| 8260-16 Cafeteria - training school | 3 228 56 A | 1 888 11 | 2 803 56 K | - | - | 21 111 89 | 21 111 89 |
| 77 Classroom Bldg. & additional boiler capacity (includes 8260-87) | 1 888 11 A | 1 888 11 | 1 888 11 D | - | - | 1 900 000 00 | 1 749 527 13 |
| 8261-27 Bus. Ed., Arts & Science Classroom Bldg. | 1 143 452 36 A | 1 143 452 36 | 992 979 49 | 135 737 87 | 14 735 00 R | 500 000 00 | 76 239 74 |
| | 500 000 00 A | 500 000 00 | 76 239 74 | 188 190 45 | 235 569 81 R | 1 900 000 00 | 1 749 527 13 |
| 8263-87 Repairs and improvements | 10 00 A | 10 00 | - | - | 10 00 | 1 990 00 | 1 990 00 |
| 88 Improve elevator, Academic Building | 30 000 00 A | 30 000 00 | 15 213 06 | 14 786 94 | - | 30 000 00 | 15 213 06 |
| 89 Equipment | 1 805 73 A | 1 805 73 | 1 789 07 | - | 16 66 | 3 983 34 | 3 983 34 |
| 8364-03 Constr. receiving rm. & archives area, lib. | 20 000 00 | 20 000 00 | - | - | 20 000 00 R | 20 000 00 | - |
| 04 Equipment | 11 500 00 | 11 500 00 | 5 440 09 | 2 619 00 | 3 440 91 R | 11 500 00 | 5 440 09 |
| 05 Rep. & improv. - convert auditorium to clsrms. | 26 000 00 | 26 000 00 | - | 2 000 00 | 24 000 00 R | 26 000 00 | - |
| 8463-75 Constr. garage, repair and workshop | 30 000 00 A | 30 000 00 | 26 034 10 | 3 965 90 | - | 30 000 00 | 26 034 10 |
| State College - Westfield | | | | | | | |
| 7861-05 College bldg., dorm., kitchen & dining facil. | 100 00 A | 100 00 | 100 00 | - | - | 2 990 105 90 | 2 990 105 90 |
| 8063-09 Constr. dorm. & improve utilities & parking area | 908 868 03 A | 908 868 03 | 186 321 22 | 415 823 12 | 306 723 69 R | 910 000 00 | 187 453 19 |
| 10 Renovation - training school | 44 050 61 A | 44 050 61 | 11 036 47 | 26 185 97 | 6 828 17 R | 45 000 00 | 11 985 86 |
| 8064-15 Acq. land & plans - Student Union-Library Bldg. | 125 000 00 | 125 000 00 | - | - | 125 000 00 R | 125 000 00 | - |
| 8165-99 Repairs and improvements | 4 500 00 | 4 500 00 | - | - | 4 500 00 R | 4 500 00 | - |

| | | | | | | |
|--|--|-----------------|--------------|-------------|--------------|--------------|
| 8259-34
8260-17 | State College - Westfield
Additions & improvements - boiler plant
Classrm. bldg., install television sys. & fac. | 426 00 A | 426 00 | - | 37 343 49 | 36 917 49 |
| | | 107 969 31 A | 107 969 31 | 66 186 00 | 1 043 314 22 | 1 038 216 69 |
| | | | | 36 685 78 D | | |
| 8263-90
91 | Repairs and improvements
Equipment | 2 077 60 A | 2 077 60 | 1 844 00 | 2 993 00 | 2 766 40 |
| | | 199 75 A | 199 75 | 185 60 | 4 095 95 | 4 085 85 |
| 8265-01
8364-06
07 | Equipment, Boarding Hall
Repairs and improvements
Equipment | 15 500 00 | 15 500 00 | - | 15 500 00 | - |
| | | 9 000 00 | 9 000 00 | - | 9 000 00 | - |
| | | 7 500 00 | 7 500 00 | 3 551 78 | 7 500 00 | 3 551 78 |
| 8157-24
8258-03
8262-07
8263-92
93 | State College - Worcester
Constr. gym., lib., caf. & classrm. bldg.
Constr. gym., lib., caf. & classrm. bldg.
Clstr., lab. bldg., aud., tele. sys., imp. boiler plt.
Repairs and improvements
Equipment | 1 099 50 A | 1 099 50 | 580 80 K | 1 679 376 07 | 1 678 857 37 |
| | | 7 818 82 A | 7 818 82 | 4 579 32 | 101 972 78 | 98 733 28 |
| | | 2 839 988 36 A | 2 839 988 36 | 937 023 76 | 2 854 000 00 | 951 035 40 |
| | | 4 000 00 A | 4 000 00 | - | 3 985 00 | - |
| | | 5 124 76 A | 5 124 76 | 2 721 55 | 8 078 88 | 6 896 79 |
| | | 21 700 00 | 21 700 00 | - | 21 700 00 | - |
| | | 14 500 00 | 14 500 00 | - | 14 500 00 | - |
| 8265-02
03 | Repairs and improvements
Equipment | 10 000 00 | 10 000 00 | - | 10 000 00 | - |
| | | 11 200 00 | 11 200 00 | 1 522 06 | 11 200 00 | 403 00 |
| | | | | | | |
| 8364-08
09 | Repairs and improvements
Equipment | | | 403 00 | 9 274 94 R | |
| | | | | | | |
| | | | | | | |
| 8258-30
8259-37
8263-98 | Massachusetts College of Art
Plans - library, classroom & workshop
Study - bldg. needs & preparation of plans
Equipment | 11 561 72 A | 11 561 72 | - | 15 000 00 | 3 438 28 |
| | | 2 195 00 A | 2 195 00 | - | 35 200 00 | 33 005 00 |
| | | 537 82 A | 537 82 | 412 00 | 2 996 37 | 2 874 18 |
| | | | | | | |
| 8265-07
08 | Repairs and improvements
Equipment | 6 500 00 | 6 500 00 | - | 6 500 00 | - |
| | | 7 000 00 | 7 000 00 | - | 7 000 00 | - |
| | | 25 000 00 | 25 000 00 | 8 017 49 | 4 833 51 R | 8 017 49 |
| | | 5 400 00 | 5 400 00 | 2 999 55 | 1 150 19 R | 2 999 55 |
| 8364-12
13 | Repairs and improvements
Equipment | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| 8063-55
8157-27
8258-32
8260-20 | Bradford Durfee College of Technology
Rep. admin. bldg., imp. lib., classrms. & lab.
Plans - Engineering, lib. & Student-Union Bldg.
Plans - Engineering, lib. & Student-Union Bldg.
Engineering, Student-Union & Library Bldg. | 70 000 00 A | 70 000 00 | 41 802 71 | 70 000 00 | 41 802 71 |
| | | 18 631 58 A | 18 631 58 | 18 631 58 K | 31 368 42 | 31 368 42 |
| | | 47 080 46 A | 47 080 46 | 47 080 46 K | 12 919 54 | 12 919 54 |
| | | 1 200 000 00 A | - | - | - | - |
| | | -1 200 000 00 N | | | | |
| 8263-99
8265-09
8364-14 | Equipment
Equipment
Equipment | 532 95 A | 532 95 | 512 81 | 1 979 86 | 1 979 86 |
| | | 1 000 00 | 1 000 00 | - | 1 000 00 | - |
| | | 35 000 00 | 35 000 00 | 13 343 07 | 35 000 00 | 13 343 07 |
| 8063-47
56
8064-19
20
8157-29 | Lowell Technological Institute of Massachusetts
Acquis. prop. & plans - athletic & phys. ed. bldg.
Plans - renov. & moving for classrm. space
Construction - physical education building
Acquis. land - physical educ. fields & improv.
Electronics - plastics engineering building | 123 078 72 A | 123 078 72 | 109 708 12 | 260 000 00 | 246 629 40 |
| | | 25 000 00 A | 25 000 00 | - | 25 000 00 | - |
| | | 2 120 000 00 | 2 120 000 00 | - | 2 120 000 00 | - |
| | | 65 000 00 | 65 000 00 | 27 079 88 | 65 000 00 | 27 079 88 |
| | | 9 635 56 A | 9 635 56 | 4 715 21 | 2 204 153 36 | 2 199 245 01 |
| | | | | 12 00 K | | |
| 8258-33 | Lighting units & fire protection improv. | 84 42 A | 84 42 | - | 11 000 00 | 10 915 58 |
| | | | | | | |
| 8259-38
39
40
41 | Acquis. land with buildings & improv.
Plans - Nuclear engineering center
Acq. land & plans, garage & maint. building
Purchase & install. - machinery & equipment | 4 980 00 A | 4 980 00 | 4 980 00 | 49 626 95 | 49 626 95 |
| | | 36 541 50 A | 36 541 50 | 34 949 12 | 100 000 00 | 98 407 62 |
| | | 20 722 09 A | 20 722 09 | - | 30 000 00 | 9 277 91 |
| | | 550 11 A | 550 11 | 490 79 | 74 940 68 | 74 940 68 |
| 8260-21
22 | Fire protection improvements
Purchase & install. - machinery & equipment | 13 781 67 A | 13 781 67 | - | 30 000 00 | 16 218 33 |
| | | | | | | |
| 8261-22
35 | Constr. classrm. & lab. for Nuclear Engr. Ctr.
Plans - improv. power plt. & utility dist. sys. | 178 167 81 A | 178 167 81 | 204 06 | 200 000 00 | 22 036 25 |
| | | 2 510 10 A | 2 510 10 | 2 399 31 | 99 993 25 | 99 889 21 |
| | | | | 6 75 D | | |
| 8262-08 | Acq. & improv. land - physical educ. field
(includes 8262-36) | 1 597 870 17 A | 1 597 870 17 | 433 404 33 | 1 600 000 00 | 435 534 16 |
| | | 10 038 80 A | 10 038 80 | - | 12 500 00 | 2 461 20 |
| | | 200 696 79 A | 200 696 79 | 128 696 07 | 350 000 00 | 277 999 28 |

BOND FUNDS

STATEMENT OF APPROPRIATIONS, EXPENDITURES AND UNENCUMBERED BALANCES AS OF JUNE 30, 1964

| | | CURRENT FISCAL YEAR | | | | CUMULATIVE TOTALS | |
|--|---|-----------------------------------|------------------|--------------|--------------|-------------------------|------------------------|
| | | Appropriations
& Other Credits | Total
Credits | Expenditures | Encumbrances | Unencumbered
Balance | |
| | | | | | | | Total
Authorization |
| | | | | | | | Payments |
| DEPARTMENT OF EDUCATION | | | | | | | |
| Lowell Technological Institute of Massachusetts | | | | | | | |
| 8262-09 | Constr. classrm. & lab. for Nuclear Engr. Ctr. | \$ 2 800 000 00 A | \$ 2 800 000 00 | \$ 30 007 26 | \$ 94 916 28 | \$ 2 675 076 46 R | \$ 30 007 26 |
| 10 | Improv. power plant & utility dist. center | 200 000 00 A | 200 000 00 | - | - | 200 000 00 R | - |
| 8265-11 | Repairs and improvements | 66 000 00 | 66 000 00 | - | - | 66 000 00 R | - |
| 12 | Maintenance and office equipment | 14 500 00 | 14 500 00 | - | - | 14 500 00 R | - |
| 13 | Classroom and laboratory equipment | 100 000 00 | 100 000 00 | - | - | 100 000 00 R | - |
| 14 | Sci., tech. & other educ. ref. material - lib. | 50 000 00 | 50 000 00 | - | - | 50 000 00 R | - |
| 15 | Dormitory furniture | 25 000 00 | 25 000 00 | - | - | 25 000 00 R | - |
| 8363-02 | Repairs and improvements | 15 096 37 A | 15 096 37 | 419 80 | 596 92 | 14 079 65 | 1 420 35 |
| 03 | Improv. parapet walls, reconstr. fire walls | 30 000 00 A | 30 000 00 | 2 538 77 | 27 461 23 | - | 823 43 |
| 04 | Improv. drainage system & parking areas | 24 650 00 A | 24 650 00 | 18 665 68 | 5 984 32 | - | 2 538 77 |
| 05 | Equipment | 2 000 00 A | 2 000 00 | 1 475 61 | 469 08 | 55 31 | 19 015 68 |
| 06 | Purchase of educational reference material | 9 425 67 A | 9 425 67 | 5 379 68 | 1 703 33 | 2 342 66 | 1 475 61 |
| 8364-17 | Repairs and improvements | 35 000 00 | 35 000 00 | 17 160 98 | 16 921 04 | 917 98 R | 20 954 01 |
| 18 | Equipment | 6 000 00 | 6 000 00 | 2 702 13 | 86 70 | 3 211 17 R | 35 000 00 |
| 19 | Classroom and laboratory equipment | 99 000 00 | 99 000 00 | 44 067 61 | 51 510 26 | 3 422 13 R | 6 000 00 |
| 20 | Dormitory furniture | 25 000 00 | 25 000 00 | - | 20 155 45 | 4 844 55 R | 2 702 13 |
| New Bedford Institute of Technology | | | | | | | |
| 8265-10 | Equipment | 1 000 00 | 1 000 00 | - | - | 1 000 00 R | 1 000 00 |
| 8363-01 | Equipment | 12 836 79 A | 12 836 79 | 12 829 11 | - | 7 68 | 37 992 32 |
| 8364-15 | Repairs and improvements | 15 000 00 | 15 000 00 | 9 79 | 5 958 00 | 9 032 21 R | 15 000 00 |
| 16 | Equipment | 10 000 00 | 10 000 00 | 6 410 86 | 3 483 05 | 106 09 R | 10 000 00 |
| 8463-76 | Renov. bldg. & purchase reference material | 44 060 00 A | 44 060 00 | 32 183 75 | 9 780 65 | 2 095 60 | 42 904 40 |
| Southeastern Massachusetts Technological Institute | | | | | | | |
| 8064-21 | Constr. classrm. & adm. fac. & utility fac. | 6 000 000 00 | 6 000 000 00 | 300 680 83 | 372 919 17 | 5 326 400 00 R | 6 000 000 00 |
| 8261-03 | Plans - classroom & other buildings
(Includes 8261-23) | 1 369 884 41 A | 1 369 884 41 | 169 271 19 | 887 839 75 | 312 773 47 R | 1 500 000 00 |
| 8265-16 | Equipment | 5 000 00 | 5 000 00 | - | - | 5 000 00 R | 5 000 00 |
| 8364-21 | Equipment | 1 950 00 | 1 950 00 | 1 917 96 | 26 30 | 5 74 R | 1 950 00 |
| University of Massachusetts | | | | | | | |
| 8063-11 | Constr. eng. bldg. & ser. bldg. - experiment sta. | 2 200 000 00 A | 2 200 000 00 | 332 947 62 | 1 134 730 76 | 732 321 62 R | 2 200 000 00 |
| 12 | Improv. & plans - power plt. & utility dist. sys. | 500 000 00 A | 500 000 00 | 59 321 28 | 431 172 61 | 9 506 11 R | 500 000 00 |
| 13 | Plans - addition to Machmer Hall | 30 000 00 A | 30 000 00 | 9 472 50 | 20 127 50 | 400 00 R | 30 000 00 |
| 14 | Acq. - land - rail siding & plans - cold storage fac. | 35 000 00 A | 35 000 00 | 8 609 26 | 11 490 74 | 14 900 00 R | 35 000 00 |
| 15 | Plans - administration building | 110 000 00 A | 110 000 00 | - | 100 100 00 | 9 900 00 R | 110 000 00 |
| 16 | Plans - classrm. & lab. - Arts & science Coll. | 110 000 00 A | 110 000 00 | - | - | 110 000 00 R | 110 000 00 |
| 17 | Plans - poultry plant | 15 000 00 A | 15 000 00 | 6 855 55 | 6 944 45 | 1 200 00 R | 15 000 00 |
| 18 | Renov. older classroom buildings | 81 606 64 A | 81 606 64 | 12 143 82 | 52 607 97 | 16 854 85 R | 100 000 00 |
| 19 | Acquisition of property | 160 000 00 A | 160 000 00 | 156 250 00 | - | 3 750 00 R | 300 500 00 |
| 8064-22 | Constr. administration building | 3 000 000 00 | 3 000 000 00 | - | - | 3 000 000 00 R | 3 000 000 00 |
| 23 | Constr. add. - Machmer Hall, demol. structures | 1 040 000 00 | 1 040 000 00 | - | 900 00 | 1 039 100 00 R | 1 040 000 00 |
| 24 | Constr. poultry plant laboratory buildings | 300 000 00 | 300 000 00 | - | - | 300 000 00 R | 300 000 00 |
| 25 | Improv. & plans - power plt. & utility dist. sys. | 750 000 00 | 750 000 00 | - | - | 750 000 00 R | 750 000 00 |
| 26 | Plans - agricultural lab. & farm service bldgs. | 65 000 00 | 65 000 00 | - | 65 000 00 | - | 65 000 00 |
| 27 | Plans - central storage building | 60 000 00 | 60 000 00 | - | 60 000 00 | - | 60 000 00 |
| 28 | Plans - classroom - laboratory & office bldg. | 100 000 00 | 100 000 00 | - | 90 100 00 | 9 900 00 R | 100 000 00 |

University of Massachusetts

| | | | | | | | |
|---------|--|----------------|--------------|--------------|--------------|--------------|--------------|
| 8064-29 | Plans - research fac., classrooms & lab. | 250 000 00 | 250 000 00 | - | 240 100 00 | 9 900 00 R | 250 000 00 |
| 30 | Acquisition - land and development | 300 000 00 | 300 000 00 | 57 190 00 | - | 242 810 00 R | 300 000 00 |
| 31 | Plans - theatre & aud. - classrm. & lab. bldg. | 150 000 00 | 150 000 00 | - | 150 000 00 | - | 150 000 00 |
| 8157-31 | Addition to library
(Includes 8157-91) | 64 002 15 A | 64 002 15 | 19 575 74 | 754 47 | - | 1 935 328 06 |
| 33 | Plans - Science Building | 129 40 A | 129 40 | 43 671 94 K | - | - | 93 000 00 |
| 8256-28 | Liberal arts classroom building | 153 40 A | 153 40 | - | 153 40 | - | 1 991 588 67 |
| 30 | Improv. & add. power plt. & utility system | 10 393 94 A | 10 393 94 | - | 10 393 94 | - | 1 169 000 00 |
| 8258-05 | Addition to chemistry laboratory | 4 999 11 A | 4 999 11 | 4 807 76 | - | - | 505 546 90 |
| 35 | Improv. & add. power plt. & utility system | 2 728 00 A | 2 728 00 | 191 35 K | 2 728 00 | - | 1 214 000 00 |
| 36 | Science Building | 108 84 A | 108 84 | - | 108 84 | - | 2 238 700 00 |
| 38 | Plans - school of ed. & lab. practice school | 20 811 38 A | 20 811 38 | 20 811 38 K | - | - | 71 188 62 |
| 39 | Plans for infirmary | 213 23 A | 213 23 | - | 213 23 | - | 60 000 00 |
| 8259-44 | Constr. school of ed. & lab. practice school | 231 725 95 A | 231 725 95 | 34 50 | 34 593 35 | - | 2 002 901 90 |
| 45 | Constr. 3rd. section science center | 192 582 82 A | 192 582 82 | 197 098 10 K | 80 355 85 | 63 419 22 R | 1 666 000 00 |
| 46 | Construction of infirmary | 21 506 00 A | 27 056 00 | 48 807 75 | 8 576 52 | 3 595 32 R | 1 005 550 00 |
| 47 | Improv. & add. power plt. & utility systems | 7 574 52 A | 7 574 52 | 4 073 55 | 3 315 05 | 185 92 R | 2 339 000 00 |
| 48 | Constr. engineering & physics shop | 75 283 07 A | 75 283 07 | 39 504 83 | 23 109 82 | 12 668 42 R | 860 000 00 |
| 50 | Constr. general maintenance building | 6 412 83 A | 6 412 83 | 6 318 40 | - | - | 687 905 57 |
| 51 | Constr. cold storage laboratory | 47 168 50 A | 60 268 50 | 94 43 K | 59 607 20 | - | 737 100 00 |
| 52 | Purchase & installation of equipment | 13 100 00 K | 240 20 | 661 30 | - | - | 99 981 77 |
| 55 | Plans - addition to physics building | 1 355 12 A | 37 855 12 | 240 20 | - | 36 500 00 R | 236 500 00 |
| 57 | Plans - engineering & service building | 36 500 00 K | 6 599 67 | 1 355 12 | - | - | 75 000 00 |
| 8260-23 | Addition to dining commons | 6 599 67 A | 38 434 43 | 4 295 90 | 2 303 77 | - | 602 865 57 |
| 24 | Improv. & add. power plt. & utility systems | 38 434 43 A | 19 230 90 | 37 134 43 D | 1 300 00 | - | 450 000 00 |
| 26 | Plans - physical education building for men | 19 230 90 A | 1 523 79 | 6 842 69 | 7 333 34 | 5 054 87 R | 138 000 00 |
| 8261-04 | Improv. & add. power plt. & utility systems | 1 523 79 A | 216 610 90 | 507 93 | 53 42 | 962 44 R | 400 000 00 |
| 05 | Constr. laboratory & classroom building | 216 610 90 A | 766 868 54 | 79 200 82 | 24 208 00 | 113 202 08 R | 1 945 000 00 |
| 06 | Constr. food technology building | 766 868 54 A | 1 587 670 74 | 337 898 57 | 20 918 51 | 408 051 46 R | 1 600 000 00 |
| 08 | Constr. addition to physics building | 1 587 670 74 A | 737 928 50 | 344 580 94 | 1 197 908 88 | 45 180 92 R | 2 100 000 00 |
| 09 | Constr. Science Center & Seismograph Bldg. | 737 928 50 A | 3 702 893 02 | 525 548 44 | 207 656 81 | 4 723 25 R | 3 703 000 00 |
| 8262-11 | Improv. & add. power plt. & utility systems | 3 660 893 02 A | 42 000 00 D | 2 017 436 84 | 1 600 640 23 | 84 815 95 R | 500 000 00 |
| 12 | Acquisition of certain land | 500 000 00 A | 500 000 00 | 200 485 23 | 88 260 77 | 211 254 00 R | 371 000 00 |
| 13 | Constr. classrm. & office bldg. - Sch. Bus. Adm. | 91 029 32 A | 91 029 32 | 29 945 31 | 6 174 66 | 54 909 35 R | 1 999 000 00 |
| 14 | Constr. physical education bldg. for men | 1 330 717 17 A | 1 330 717 17 | 974 587 39 | 265 823 10 | 90 306 68 R | 3 600 000 00 |
| 8265-17 | Repairs and improvements | 1 604 245 67 A | 1 604 245 67 | 1 056 790 50 | 174 442 22 | 373 012 95 R | 278 000 00 |
| 18 | Repairs, improvements, etc. - dormitories | 278 000 00 | 278 000 00 | - | - | 278 000 00 R | 250 000 00 |
| 19 | Administrative & maintenance equipment | 250 000 00 | 250 000 00 | - | - | 250 000 00 R | 75 000 00 |
| 20 | Classroom & laboratory equipment | 75 000 00 | 225 000 00 | - | - | 225 000 00 R | 225 000 00 |
| 21 | Sci., tech., educ. & ref. material for library | 225 000 00 | 200 000 00 | - | - | 200 000 00 R | 200 000 00 |
| 8363-07 | Repairs and improvements | 200 000 00 | 43 827 33 | - | 14 722 00 | 491 95 | 49 508 05 |
| 08 | Improvements - roads and sidewalks | 43 827 33 A | 84 265 74 | 28 613 38 | 61 598 58 | 354 55 | 99 645 45 |
| 09 | Repairs & improvements to dormitories | 84 265 74 A | 99 793 26 | 22 312 61 | - | 269 01 | 299 730 99 |
| 10 | Administrative & maintenance equipment | 99 793 26 A | 16 768 68 | 99 524 25 | 6 00 | 33 78 | 59 966 22 |
| 11 | Equipment, classroom and laboratory | 16 768 68 A | 70 857 53 | 16 728 90 | 1 176 00 | 58 04 | 148 765 96 |
| 12 | Purchase - educational reference material | 70 857 53 A | 20 144 17 | 69 623 49 | - | 01 | 99 999 99 |
| 8364-22 | Repairs and improvements | 20 144 17 A | 74 500 00 | 20 144 16 | 26 520 80 | 47 815 94 R | 74 500 00 |
| 23 | Administrative & maintenance equipment | 74 500 00 | 60 000 00 | 163 26 | 3 007 96 | 4 442 63 R | 60 000 00 |
| | | 60 000 00 | | 52 549 41 | | | 52 549 41 |

Division of Youth Service

| | | | | | | | | | |
|--|---|--------------|--------------|-------------|------------|----------------|--------------|------------|--|
| 8265-30 | Administration | 1 500 00 | 1 500 00 | - | - | 1 500 00 R | 1 500 00 | - | |
| 8363-14 | Equipment | 65 44 A | 65 44 | - | - | 19 09 | 1 830 91 | 1 830 91 | |
| 8364-36 | Equipment | 6 700 00 | 6 700 00 | 5 333 80 | 1 094 91 | 271 29 R | 6 700 00 | 5 333 80 | |
| Industrial School for Boys | | | | | | | | | |
| 8063-21 | Improv. sewerage distribution system | 75 000 00 A | 75 000 00 | - | 4 400 00 | 70 600 00 R | 75 000 00 | - | |
| 70 | Constr. staff house & central cafeteria | 715 862 50 A | 831 762 50 | 41 309 73 | 736 604 18 | 53 848 59 R | 831 900 00 | 41 447 23 | |
| 8157-36 | Addition - administration building | 269 70 A | 269 70 | 269 70 K | - | - | 655 174 35 | 655 174 35 | |
| 37 | Power plant improvements | 516 35 A | 516 35 | 460 27 | - | 56 08 R | 161 300 00 | 161 243 92 | |
| 8258-07 | Addition - administration building | 43 977 79 A | 43 977 79 | 14 375 66 | 1 202 07 | - | 127 155 89 | 125 953 82 | |
| | | | | 28 400 06 K | | | | | |
| 8259-61 | Plans - improv. utility dist. sys. & power plt. | 3 774 71 A | 3 774 71 | - | 3 774 71 | - | 20 000 00 | 16 225 29 | |
| 8260-69 | Improv. power plt. & utility dist. systems | 276 796 90 A | 276 796 90 | 59 829 96 | 214 356 94 | 2 610 00 R | 325 000 00 | 108 033 06 | |
| 8265-31 | Repairs and improvements | 29 100 00 | 29 100 00 | - | - | 29 100 00 R | 29 100 00 | - | |
| 32 | Equipment | 10 000 00 | 10 000 00 | - | - | 10 000 00 R | 10 000 00 | - | |
| 8363-15 | Equipment | 76 22 A | 76 22 | - | - | 76 22 | 5 923 78 | 5 923 78 | |
| 16 | Plumbing repairs | 50 000 00 A | 50 000 00 | 1 369 20 | 2 730 80 | 45 900 00 R | 50 000 00 | 1 369 20 | |
| 8364-37 | Equipment | 4 000 00 | 4 000 00 | 3 784 82 | - | 215 18 R | 4 000 00 | 3 784 82 | |
| Industrial School for Girls | | | | | | | | | |
| 8063-22 | Plans - new security treatment unit | 30 000 00 A | 30 000 00 | - | 12 100 00 | 17 900 00 R | 30 000 00 | - | |
| 8064-36 | Constr. security treatment unit | 2 450 000 00 | 2 450 000 00 | - | - | 2 450 000 00 R | 2 450 000 00 | - | |
| 8265-33 | Repairs and improvements | 18 340 00 | 18 340 00 | - | - | 18 340 00 R | 18 340 00 | - | |
| 34 | Equipment | 9 850 00 | 9 850 00 | - | - | 9 850 00 R | 9 850 00 | - | |
| 8363-17 | Repairs and improvements | 4 500 00 A | 4 500 00 | 4 500 00 | - | - | 4 500 00 | 4 500 00 | |
| 8364-38 | Repairs and improvements | 10 900 00 | 10 900 00 | - | - | 10 900 00 R | 10 900 00 | - | |
| 39 | Equipment | 7 600 00 | 7 600 00 | 6 653 72 | 939 00 | 7 28 R | 7 600 00 | 6 653 72 | |
| Lyman School for Boys | | | | | | | | | |
| 8259-62 | Improv. power plt. & utility dist. systems | 496 76 A | 496 76 | - | 496 76 | - | 183 273 64 | 183 272 64 | |
| 8265-35 | Repairs and improvements | 9 000 00 | 9 000 00 | - | - | 9 000 00 R | 9 000 00 | - | |
| 36 | Repairs - cafeteria roof and windows | 25 000 00 | 25 000 00 | - | - | 25 000 00 R | 25 000 00 | - | |
| 37 | Equipment | 6 145 00 | 6 145 00 | - | - | 6 145 00 R | 6 145 00 | - | |
| 8363-18 | Repairs and improvements | 4 376 00 A | 4 376 00 | 1 824 00 | 2 387 00 | 165 00 | 9 835 00 | 7 448 00 | |
| 19 | Improvements to steam lines | 45 000 00 A | 45 000 00 | 39 456 38 | 5 543 62 | - | 45 000 00 | 39 456 38 | |
| 20 | Equipment | 2 196 59 A | 2 196 59 | 2 188 82 | - | 7 77 | 4 992 23 | 4 992 23 | |
| 8364-40 | Equipment | 7 770 00 | 7 770 00 | 1 478 07 | 1 064 50 | 5 227 43 R | 7 770 00 | 1 478 07 | |
| Reception & Detention Facilities for Boys | | | | | | | | | |
| 8265-38 | Repairs and improvements | 9 600 00 | 9 600 00 | - | - | 9 600 00 R | 9 600 00 | - | |
| 39 | Equipment | 5 950 00 | 5 950 00 | - | - | 5 950 00 R | 5 950 00 | - | |
| 8363-21 | Equipment | 16 68 A | 16 68 | - | - | 16 68 | 2 983 32 | 2 983 32 | |
| 8364-41 | Repairs and improvements | 4 700 00 | 4 700 00 | - | 350 00 | 4 350 00 R | 4 700 00 | - | |
| 42 | Equipment | 7 475 00 | 7 475 00 | 6 120 32 | 473 17 | 881 51 R | 7 475 00 | 6 120 32 | |
| Institute of Juvenile Guidance | | | | | | | | | |
| 8265-40 | Equipment | 3 025 00 | 3 025 00 | - | - | 3 025 00 R | 3 025 00 | - | |
| 8364-43 | Repairs and improvements | 4 800 00 | 4 800 00 | 240 00 | - | 4 560 00 R | 4 800 00 | 240 00 | |
| 44 | Equipment | 1 690 00 | 1 690 00 | 839 50 | 452 89 | 397 61 R | 1 690 00 | 839 50 | |
| 8463-78 | Improv. heating & ventilating system | 11 760 00 A | 11 760 00 | 6 276 30 | 5 483 70 | - | 13 000 00 | 7 516 30 | |
| Reception & Detention Facilities for Girls | | | | | | | | | |
| 8265-41 | Repairs and improvements | 2 000 00 | 2 000 00 | - | - | 2 000 00 R | 2 000 00 | - | |
| 42 | Equipment | 3 115 00 | 3 115 00 | - | - | 3 115 00 R | 3 115 00 | - | |
| 8363-22 | Equipment | 288 54 A | 288 54 | 248 18 | - | 40 36 | 849 64 | 849 64 | |
| 8364-45 | Repairs and improvements | 6 100 00 | 6 100 00 | - | 550 00 | 5 550 00 R | 6 100 00 | - | |
| 46 | Equipment | 3 375 00 | 3 375 00 | 2 375 96 | - | 999 04 R | 3 375 00 | 2 375 96 | |
| Detention Center, Hampden County | | | | | | | | | |
| 8265-43 | Repairs and improvements | 5 000 00 | 5 000 00 | - | - | 5 000 00 R | 5 000 00 | - | |

BOND FUNDS

STATEMENT OF APPROPRIATIONS, EXPENDITURES AND UNENCUMBERED BALANCES AS OF JUNE 30, 1964

| | CURRENT FISCAL YEAR | | | | | CUMULATIVE TOTALS | |
|---|-----------------------------------|------------------|--------------|--------------|-------------------------|------------------------|-------------------|
| | Appropriations
& Other Credits | Total
Credits | Expenditures | Encumbrances | Unencumbered
Balance | Total
Authorization | Total
Payments |
| DEPARTMENT OF EDUCATION | | | | | | | |
| Detention Center, Hampden County | | | | | | | |
| 8265-44 Equipment | \$ 3 150 00 | \$ 3 150 00 | \$ - | - | \$ 3 150 00 R | \$ 3 150 00 | \$ - |
| 8364-47 Repairs and improvements | 2 500 00 | 2 500 00 | - | - | 2 500 00 R | 2 500 00 | - |
| 48 Equipment | 2 000 00 | 2 000 00 | 263 72 | 1 209 70 | 526 58 R | 2 000 00 | 263 72 |
| Detention Center, Worcester County | | | | | | | |
| 8265-46 Repairs and improvements | 5 000 00 | 5 000 00 | - | - | 5 000 00 R | 5 000 00 | - |
| 47 Equipment | 1 450 00 | 1 450 00 | - | - | 1 450 00 R | 1 450 00 | - |
| 8364-51 Repairs and improvements | 2 500 00 | 2 500 00 | - | - | 2 500 00 R | 2 500 00 | - |
| 52 Equipment | 2 220 00 | 2 220 00 | 1 616 51 | - | 603 49 R | 2 220 00 | 1 616 51 |
| Residential Treatment Unit, Oakdale | | | | | | | |
| 8064-37 Plans - new treatment unit | 43 000 00 | 43 000 00 | - | 33 100 00 | 9 900 00 R | 43 000 00 | - |
| 8265-45 Equipment | 1 925 00 | 1 925 00 | - | - | 1 925 00 R | 1 925 00 | - |
| 8363-23 Equipment | 187 00 A | 187 00 | 186 56 | - | 44 | 1 999 56 | 1 999 56 |
| 8364-49 Repairs and improvements | 5 000 00 | 5 000 00 | - | 500 00 | 4 500 00 R | 5 000 00 | - |
| 50 Equipment | 5 100 00 | 5 100 00 | 2 902 40 | - | 2 197 60 R | 5 100 00 | 2 902 40 |
| Youth Forestry Camp | | | | | | | |
| 8259-63 Improvements | 15 058 17 A | 15 058 17 | 2 213 31 K | 12 844 86 | - | 114 301 69 | 101 456 83 |
| 8265-48 Repairs and improvements | 2 000 00 | 2 000 00 | - | - | 2 000 00 R | 2 000 00 | - |
| 49 Equipment | 5 300 00 | 5 300 00 | - | - | 5 300 00 R | 5 300 00 | - |
| 8363-24 Equipment | 50 75 A | 50 75 | 36 78 | - | 13 97 | 386 03 | 386 03 |
| 8364-53 Repairs and improvements | 5 000 00 | 5 000 00 | 748 77 | 497 59 | 3 753 64 R | 5 000 00 | 748 77 |
| 54 Equipment | 4 050 00 | 4 050 00 | 3 711 72 | 219 15 | 119 13 R | 4 050 00 | 3 711 72 |
| School Building Assistance Commission | | | | | | | |
| 8265-50 Equipment | 2 005 00 | 2 005 00 | - | - | 2 005 00 R | 2 005 00 | - |
| 8363-25 Equipment | 590 00 A | 590 00 | 184 85 | 394 75 | 10 40 | 579 60 | 184 85 |
| 8364-55 Equipment | 1 620 00 | 1 620 00 | 1 230 00 | - | 390 00 R | 1 620 00 | 1 230 00 |
| DEPT. OF CIVIL SERVICE & REGISTRATION | | | | | | | |
| Division of Civil Service | | | | | | | |
| 8265-51 Equipment | 8 000 00 | 8 000 00 | - | - | 8 000 00 R | 8 000 00 | - |
| 8363-26 Equipment | 1 650 64 A | 1 650 64 | 1 583 00 | - | 67 64 | 4 932 36 | 4 932 36 |
| 8364-56 Equipment | 7 275 00 | 7 275 00 | 3 044 24 | 3 936 78 | 293 98 R | 7 275 00 | 3 044 24 |
| Division of Registration | | | | | | | |
| 8265-52 Equipment | 3 000 00 | 3 000 00 | - | - | 3 000 00 R | 3 000 00 | - |
| 8363-27 Equipment | 142 36 A | 142 36 | 130 00 | - | 12 36 | 987 64 | 987 64 |
| 8364-57 Equipment | 2 925 00 | 2 925 00 | 1 876 77 | - | 1 048 23 R | 2 925 00 | 1 876 77 |
| 8265-53 Board of Public Accountancy - equipment | 2 530 00 | 2 530 00 | - | - | 2 530 00 R | 2 530 00 | - |
| Board of Registration of Barbers | | | | | | | |
| 54 Equipment | 300 00 | 300 00 | - | 51 61 | 300 00 R | 300 00 | - |
| 8364-60 Equipment | 900 00 | 900 00 | 844 75 | - | 3 64 R | 900 00 | 844 75 |
| Board of Registration of Hairdressers | | | | | | | |
| 8265-55 Equipment | 523 00 | 523 00 | - | - | 523 00 R | 523 00 | - |
| 8364-61 Equipment | 948 00 | 948 00 | 577 52 | 358 35 | 12 13 R | 948 00 | 577 52 |
| 8363-28 Bd. of Real Estate Brokers & Salesmen-equip. | 475 42 A | 475 42 | 400 01 | - | 75 41 | 924 59 | 924 59 |
| 8364-58 Board of Registration in Pharmacy - equipment | 2 000 00 | 2 000 00 | 1 810 48 | - | 189 52 R | 2 000 00 | 1 810 48 |

STATEMENT
TRUST FUNDS

| TRUST FUND ACCOUNT | EXPENDABLE PRINCIPAL AND | | | |
|--|--------------------------|-----------|-----------|-----------|
| | Balance | | | Balance |
| | July 1,
1963 | Receipts | Payments | Total |
| Education: | | | | |
| Massachusetts College of Art: | | | | |
| Mercy A. Bailey | \$ 134 14 | \$ 65 22 | \$ - | \$ 199 36 |
| Robert Charles Billings | 135 11 | 59 38 | - | 194 49 |
| Annie E. Blake Scholarship | 420 80 | 300 00 | 275 00 | 445 80 |
| Annie L. Cox Scholarship | 236 84 | 118 74 | 100 00 | 255 58 |
| Marguerite Guilfoyle | 1 127 04 | 40 00 | 100 00 | 1 067 04 |
| Rebecca R. Joslin Scholarship | 2 593 70 | 270 61 a | - | 2 864 31 |
| Albert H. Munsell | 974 33 | 417 44 | 400 00 | 991 77 |
| State Colleges: | | | | |
| Bridgewater: | | | | |
| Alice Smithick Mills | - | - | - | - |
| Elizabeth Case Stevens | 568 62 | 625 00 | 526 71 | 666 91 |
| Framingham: | | | | |
| Robert Charles Billings | 839 15 | 44 43 | - | 883 58 |
| Helen M. Joyce Student Aid | 3 445 43 | 81 18 | - | 3 526 61 |
| Marion Louise Miller | 353 16 | 6 00 | - | 359 16 |
| Students' Aid | 346 30 | 15 00 | - | 361 30 |
| Salem: | | | | |
| Susan Marvin Barker Scholarship | 183 78 | 127 54 | 200 00 | 111 32 |
| Walter Parker Beckwith Scholarship | 369 19 | 162 50 | 150 00 | 381 69 |
| Ella Franklin Carr Memorial | 1 137 82 | 30 00 | - | 1 167 82 |
| Louise O. Twombly Scholarship | 33 86 | 3 00 | - | 36 86 |
| National Science Foundation Grt.-sec. sch. | 2 734 70 | 11 450 00 | 11 421 17 | 2 763 53 |
| Harriet L. Martin Scholarship | 155 15 | 100 00 | 100 00 | 155 15 |
| Westfield: | | | | |
| Julia S. Noble Rockwood Scholarship | 216 89 | 200 00 | - | 416 89 |

XXX

(Schedule No. 1)

| INCOME | | | NON - EXPENDABLE PRINCIPAL | | | | | |
|---------------|-------------|--|----------------------------|-----------|-----------|-----------------------|-----------|-------------|
| June 30, 1964 | | | Balance
July 1,
1963 | | | Balance June 30, 1964 | | |
| Cash | Investments | | 1963 | Deposited | Withdrawn | Total | Cash | Investments |
| \$ 199 36 | \$ - | | \$ 1 598 93 | \$ - | \$ - | \$ 1 598 93 | \$ - | \$ 1 598 93 |
| 194 49 | - | | 1 500 00 | - | - | 1 500 00 | - | 1 500 00 |
| 445 80 | - | | 10 000 00 | - | - | 10 000 00 | - | 10 000 00 |
| 255 58 | - | | 2 500 00 | - | - | 2 500 00 | 2 500 00 | - |
| 67 04 | 1 000 00 | | - | - | - | - | - | - |
| 280 31 | 2 584 00 | | 4 089 30 | 120 16 | - | 4 209 46 | 1 224 06 | 2 985 40 |
| 991 77 | - | | 9 217 61 | - | - | 9 217 61 | 8 000 00 | 1 217 61 |
| . | | | | | | | | |
| - | - | | - | 1 000 00 | - | 1 000 00 | 1 000 00 | - |
| 666 91 | - | | 15 000 00 | - | - | 15 000 00 | 10 000 00 | 5 000 00 |
| | | | | | | | | |
| 883 58 | - | | 1 500 00 | - | - | 1 500 00 | 100 00 | 1 400 00 |
| 726 61 | 2 800 00 | | - | - | - | - | - | - |
| 159 16 | 200 00 | | - | - | - | - | - | - |
| 361 30 | - | | 500 00 | - | - | 500 00 | - | 500 00 |
| | | | | | | | | |
| 111 32 | - | | 4 053 54 | - | - | 4 053 54 | - | 4 053 54 |
| 381 69 | - | | 5 000 00 | - | - | 5 000 00 | - | 5 000 00 |
| 167 82 | 1 000 00 | | - | - | - | - | - | - |
| 36 86 | - | | 100 00 | - | - | 100 00 | - | 100 00 |
| 2 763 53 | - | | - | - | - | - | - | - |
| 155 15 | - | | 2 500 00 | - | - | 2 500 00 | - | 2 500 00 |
| | | | | | | | | |
| 416 89 | - | | 5 000 00 | - | - | 5 000 00 | - | 5 000 00 |

TRUST FUNDS

| TRUST FUND ACCOUNT | EXPENDABLE PRINCIPAL AND | | | |
|---|--------------------------|-----------------|-----------------|---------------|
| | Balance | Receipts | Payments | Balance |
| | July 1,
1963 | | | Total |
| Education: | | | | |
| State Colleges: | | | | |
| Worcester: | | | | |
| Ella M. Whitney Scholarship | \$ 2 70 | \$ 15 00 | \$ 15 00 | \$ 2 70 |
| Lowell Technological Institute: | | | | |
| Research Foundation | 65 552 87 | 952 096 99 | 948 978 01 | 68 671 85 |
| Division of the Blind: | | | | |
| Educational Purposes | 28 946 73 | 12 832 39 | 1 935 71 | 39 843 41 |
| Jean M. LeBrun | 2 388 53 | 55 20 | - | 2 443 73 |
| Michael F. McCarthy | 22 658 37 | 2 496 48 | - | 25 154 85 |
| Lena M. Robinson | 6 341 17 | 240 00 | - | 6 581 17 |
| Division of Library Extension: | | | | |
| Elizabeth P. Sohler | 4 667 12 | 120 00 | 12 04 | 4 775 08 |
| Other Educational: | | | | |
| Mary A. Chase | - | 1 302 00 | 1 272 00 | 30 00 |
| Regional Community Colleges | 843 98 | - | - | 843 98 |
| Gustavus A. Hickley | 285 04 | 150 40 | - | 435 44 |
| Massachusetts School Fund # | 4 960 88 | 162 767 00 | 140 524 02 | 27 203 86 |
| Millicent Library | 8 34 | 3 500 00 | 3 500 00 | 8 34 |
| School Lunch Distribution and Salvage | 140 336 18 | 215 502 15 | 267 834 92 | 88 003 41 |
| Elizabeth R. Stevens | 37 46 | 764 92 | 802 38 | - |
| Frank S. Stevens | - | 1 109 36 | 1 032 70 | 76 66 |
| Surplus Property Board | 63 997 69 | 210 478 64 | 191 034 96 | 83 441 37 |
| Technical Education - Comm. Endowment | - | 5 007 60 | 5 007 60 | - |
| Technical Education - U. S. Endowment | - | 10 950 00 | 10 950 00 | - |
| Todd Teachers' College | 7 919 13 | 708 46 | 386 08 | 8 241 51 |
| Division of Youth Service: | | | | |
| Industrial School for Girls: | | | | |
| Fay | 874 86 | 31 52 | - | 906 38 |
| Lamb | 1 387 91 | 30 74 | 143 59 | 1 275 06 |
| Rogers Book | 180 54 | 27 60 | - | 208 14 |
| School Lunch Program | 1 063 83 | 2 851 56 | 2 234 46 | 1 680 93 |
| Industrial School for Boys: | | | | |
| School Lunch Program | 5 395 64 | 8 580 70 | 7 671 87 | 6 304 47 |
| Institute of Juvenile Guidance: | | | | |
| School Lunch Program | 1 007 34 | 2 005 28 | 1 281 41 | 1 731 21 |
| Lyman School for Boys: | | | | |
| Lamb | 1 908 31 | 49 00 | - | 1 957 31 |
| Lyman | 71 879 71 | 2 527 49 | - | 74 407 20 |
| Lyman Trust | 2 149 10 | 1 492 50 | 616 26 | 3 025 34 |
| School Lunch Program | 6 802 01 | 6 058 86 | 123 50 | 12 737 37 |
| Reception and Detention Facilities for Boys: | | | | |
| School Lunch Program | 3 203 17 | 3 839 16 | 5 819 63 | 1 222 70 |
| Reception and Detention Facilities for Girls: | | | | |
| School Lunch Program | 253 84 | 1 089 14 | 491 49 | 851 49 |
| Residential Treatment Unit - Oakdale: | | | | |
| School Lunch Program | 3 423 99 | 2 076 76 | 2 174 87 | 3 325 88 |
| John Augustus | 131 50 | - | - | 131 50 |
| Stephen L. French Forestry Camp: | | | | |
| School Lunch Program | 784 53 | 377 58 | 281 65 | 880 46 |
| Female Wards | 1 930 29 | 528 28 | 369 95 | 2 088 62 |
| Male Wards | 1 069 77 | 614 39 | 572 42 | 1 111 74 |
| Sub-total, Education Trust | \$ 468 398 54 | \$ 1 626 393 19 | \$ 1 608 339 40 | \$ 486 452 33 |

(Schedule No. 1)

| INCOME | | NON - EXPENDABLE PRINCIPAL | | | | | |
|---------------|---------------|----------------------------|-------------|-----------|--------------------------------|--------------|----------------|
| June 30, 1964 | | Balance
July 1,
1963 | Deposited | Withdrawn | Balance June 30, 1964
Total | Cash | Investments |
| Cash | Investments | | | | | | |
| \$ 2 70 | \$ - | \$ 500 00 | \$ - | \$ - | \$ 500 00 | \$ - | \$ 500 00 |
| 68 671 85 | - | - | - | - | - | - | - |
| 6 843 41 | 33 000 00 | - | - | - | - | - | - |
| 443 73 | 2 000 00 | - | - | - | - | - | - |
| 1 154 85 | 24 000 00 | - | - | - | - | - | - |
| 581 17 | 6 000 00 | - | - | - | - | - | - |
| 775 08 | 4 000 00 | - | - | - | - | - | - |
| 30 00 | - | 30 000 00 | - | - | 30 000 00 | 13 600 00 | 16 400 00 |
| 843 98 | - | - | - | - | - | - | - |
| 435 44 | - | 5 000 00 | - | - | 5 000 00 | - | 5 000 00 |
| 27 203 86 | - | 5 000 000 00 | - | - | 5 000 000 00 | 107 677 57 | 4 892 322 43 |
| 8 34 | - | 100 000 00 | - | - | 100 000 00 | - | 100 000 00 |
| 88 003 41 | - | - | - | - | - | - | - |
| - | - | 24 873 15 | - | - | 24 873 15 | - | 24 873 15 |
| 76 66 | - | 25 000 00 | - | - | 25 000 00 | - | 25 000 00 |
| 83 441 37 | - | - | - | - | - | - | - |
| - | - | 142 000 00 | - | - | 142 000 00 | - | 142 000 00 |
| - | - | 219 000 00 | - | - | 219 000 00 | - | 219 000 00 |
| 241 51 | 8 000 00 | 12 100 00 | - | - | 12 100 00 | 326 36 | 11 773 64 |
| 906 38 | - | 1 000 00 | - | - | 1 000 00 | - | 1 000 00 |
| 275 06 | 1 000 00 | - | - | - | - | - | - |
| 208 14 | - | 1 000 00 | - | - | 1 000 00 | - | 1 000 00 |
| 1 680 93 | - | - | - | - | - | - | - |
| 6 304 47 | - | - | - | - | - | - | - |
| 1 731 21 | - | - | - | - | - | - | - |
| 807 31 | 1 150 00 | - | - | - | - | - | - |
| 15 691 80 | 58 715 40 | - | - | - | - | - | - |
| 3 025 34 | - | 27 000 00 | - | - | 27 000 00 | - | 27 000 00 |
| 12 737 37 | - | - | - | - | - | - | - |
| 1 222 70 | - | - | - | - | - | - | - |
| 851 49 | - | - | - | - | - | - | - |
| 3 325 88 | - | - | - | - | - | - | - |
| 131 50 | - | - | - | - | - | - | - |
| 880 46 | - | - | - | - | - | - | - |
| 2 088 62 | - | 13 097 79 | 103 93 | - | 13 201 72 | 202 72 | 12 999 00 |
| 1 111 74 | - | 13 152 99 | 87 96 | - | 13 240 95 | 852 06 | 12 388 89 |
| \$ 341 002 93 | \$ 145 449 40 | \$5 676 283 31 | \$ 1 312 05 | \$ - | \$5 677 595 36 | \$145 482 77 | \$5 532 112 59 |

AGENCY FUNDS

EDUCATIONAL TELEVISION PROGRAM FUND (Code 6981)
(G. L. (Ter. Ed.) c. 71, s. 13F)

RECEIPTS

From cities and towns
Balance, July 1, 1963

| | |
|----|-------------------|
| \$ | 154 188 28 |
| | <u>121 118 50</u> |
| \$ | <u>275 306 78</u> |

PAYMENTS

Expenses
Balance, June 30, 1964

| | |
|----|-------------------|
| \$ | 185 538 82 |
| | <u>89 767 96</u> |
| \$ | <u>275 306 78</u> |

DETAILED TRANSACTIONS OF OTHER TRUST FUNDS

INCOME OF MASSACHUSETTS SCHOOL FUND #
(G. L. (Ter. Ed.) c. 7, s. 35)

RECEIPTS

Cash Balance, July 1, 1963

\$ 4 960 88

Revenue Received:
Investment earnings

| | |
|----|-------------------|
| | <u>162 767 00</u> |
| \$ | <u>167 727 88</u> |

PAYMENTS

Expenditures:
Postage
Accrued interest
Transfer to Income Tax Fund (for cities and towns)

| | |
|----|-------------------|
| \$ | 8 20 |
| | <u>2 070 66</u> |
| | <u>138 445 16</u> |
| \$ | 140 524 02 |

Cash Balance, June 30, 1964

| | |
|----|-------------------|
| | <u>27 203 86</u> |
| \$ | <u>167 727 88</u> |

STATEMENT XIV

SUMMARY OF STATE AID TO CITIES AND TOWNS

1962 - 1964

STATE FUNDS

| Fiscal
Year | Total | Public Welfare
and Health | Education | Highway | Veterans'
Services | Other |
|----------------|------------------|------------------------------|------------------|------------------|-----------------------|-----------------|
| 1964 | \$253 897 964 26 | \$153 194 703 62 | \$ 69 181 764 48 | \$ 18 588 634 14 | \$ 10 531 890 59 | \$ 2 400 971 43 |
| 1963 | 234 573 639 42 | 148 475 728 88 | 60 441 038 56 | 14 433 063 34 | 9 216 739 87 | 2 007 068 77 |
| 1962 | 211 079 134 49 | 136 629 538 88 | 54 892 891 75 | 8 806 342 96 | 9 250 402 42 | 1 499 958 48 |

TABLE NO. 1 - Roster of State-aided Vocational
and Part-time Schools

School Year Ending June 30, 1964

Four hundred twenty-two (422) schools in operation during the year (or now) in one hundred fifty-three (153) cities, towns, counties, and regions listed alphabetically by types of schools, with date of establishment and name of Director.

Group I 1a - Fifty-four Industrial Schools (boys)

Apponequet Regional Vocational High (Lakeville) - Sept. 1959; Herbert W. Moore
Arlington Technical and Vocational High - Sept. 1946; Edmund J. Lewis
Attleboro Trade High - Nov. 1934; Henry A. Miller
Avon Vocational - Sept. 1956; Charles H. Francis
Barnstable Vocational High (Hyannis) - Nov. 1938; Victor E. Mazzarella
Belmont Vocational High - Sept. 1943; Leslie W. Crowson
Beverly Trade - Nov. 1926; Joseph D. Brucchi
Boston Trade High - Feb. 1912; Edward Terrenzi
Brockton Trade High - March 1934; Kenrick M. Baker
Chicopee Vocational High - Sept. 1921; Henry J. Rege
Dartmouth Vocational - Sept. 1947; Antone Bettencourt
Dighton-Rehoboth Regional Vocational (North Dighton) - Aug. 1960; Charles F. Day
Everett Vocational High - Sept. 1927; John W. Bates
Fall River - Diman Vocational High - May 1916; John P. Harrington
Fitchburg Vocational High - July 1936; Franklin M. Angevine
Framingham Vocational High - Sept. 1946; Joseph P. Keefe
Gloucester Vocational - Sept. 1940; Harold B. Geary, Sr.
Greenfield Vocational - June 1936; Ralph E. Packard
Haverhill Trade - Nov. 1926; Thomas F. Garvey
Holyoke Trade High - Sept. 1914; William J. Dean
King Philip Regional Vocational High (Wrentham) - Oct. 1957; Preston I. Titus
Leominster Trade High - Sept. 1934; Emile S. Johnson
Lowell Trade High - Sept. 1911; Charles P. Conlon
Lynn Independent Industrial Shoemaking - Aug. 1918; Stephen R. Callahan
Lynn Trade High - Sept. 1945; Michael C. O'Donnell
Malden Vocational High - Sept. 1941; Thomas Lafionatis, Acting
Marlboro Vocational - Sept. 1941; Donald E. Graves
Medford - Melvin V. Weldon Vocational High - Nov. 1930; Walter D. Reid
Nantucket Vocational - Sept. 1941; Charles H. Minnich
New Bedford Vocational High - Nov. 1908; Z. Walter Janiak
New Salem Vocational High - Sept. 1958; Paul R. Wilbur
Newton Technical High - Feb. 1909; Orrin M. Brawn
North Adams - Charles H. McCann - Vocational Technical High (Northern Berkshire
Vocational Regional School District) Sept. 1962; James R. Westall
Northampton's Vocational - Oct. 1908; B. Stanley Dowgert
Northbridge Vocational (Whitinsville) - March 1934; James S. Mullaney
Peabody Vocational High - Sept. 1944; Kenneth A. Briggs
Pittsfield Vocational - April 1934; William L. Dehey
Provincetown Vocational - Sept. 1949; Arthur P. Malchman
Quincy Trade - Sept. 1912; Maurice J. Daly

Group I 1a - Fifty-four Industrial Schools (boys) (continued)

Randolph Vocational High - Aug. 1955; Thomas L. Warren
 Salem Vocational High - Sept. 1934; John M. Conway
 Silver Lake Regional Vocational High (Kingston) - Aug. 1955; Ralph H. Binns, Acting
 Somerville Trade High - Sept. 1910; Walter E. Struble
 Southbridge - Cole Trade High - March 1932; Raymond L. W. Benoit
 South Shore Vocational Technical High (Hanover) - Sept. 1962; Frederick J. Teed
 Springfield Trade High - Sept. 1911; Edmond P. Garvey
 Swansea Trade - Sept. 1952; Donald F. McCaffrey
 Taunton Vocational - Sept. 1934; Patrick H. Lyons
 Waltham Vocational High - Sept. 1928; Lloyd F. VanArsdale
 Wareham Vocational High - Sept. 1953; John J. Rolfe
 Webster - Bartlett Vocational High - Aug. 1947; Frank E. Wylde
 Westfield Trade High - Sept. 1911; Michael Gonzalez
 Weymouth Vocational Technical High - Feb. 1924; Ray G. Parker
 Worcester Boys' Trade High - Feb. 1910; Walter B. Dennen

Group I 1a¹ - Seven Trade Preparatory Schools for Boys and Men

Fitchburg - Oct. 1961; Franklin M. Angevine
 Framingham - Oct. 1962; Joseph P. Keefe
 Leominster - Dec. 1960; Emile S. Johnson
 Lynn - Oct. 1960; James P. Barry
 North Adams - Charles H. McCann - Oct. 1963; James R. Westall
 Waltham - Jan. 1961; Lloyd F. VanArsdale
 Westfield - Oct. 1962; Michael Gonzalez

Group I 1b - Six Day Industrial Schools (girls)

Boston Trade High for Girls - Sept. 1909; Agnes K. Brennan
 Essex County Independent Trade and Industrial Trade for Girls (Hathorne) -
 Oct. 1957; James F. Gallant
 Fall River - Diman Vocational High for Girls - Sept. 1948; John P. Harrington
 Norwood - Henry O. Peabody for Girls - Sept. 1942; Ann E. Donovan
 Springfield Trade High for Girls - Jan. 1934; Edmond P. Garvey
 Worcester - David Hale Fanning Trade High for Girls - Sept. 1911;
 Blanche M. Penn

Group I 1b¹ - Three Trade Preparatory Schools for Girls and Women

Boston - Jan. 1953; Agnes K. Brennan
 Fall River - Sept. 1958; John P. Harrington
 Springfield - Oct. 1951; Dennis J. Brunton

Group I 1c - Seven Industrial Departments (Boston)

Brighton - Feb. 1929; Alexander Passaretti
 Charlestown - Feb. 1929; Martin E. Keane
 Dorchester - Feb. 1929; Walter J. Barry
 East Boston - Feb. 1929; Joseph D. Mahoney
 Hyde Park - Feb. 1929; John P. Doyle
 Roxbury - Sept. 1929; Albert F. Hanrahan
 South Boston - Jan. 1929; Stephen T. Reilly

Group I 2c - Eighteen Part-time Cooperative Trade Schools

370

Arlington - Feb. 1954; Edmond J. Lewis
Beverly - Aug. 1909; Joseph D. Brucchi
Boston: Brighton - Sept. 1922; Alexander Passaretti
Charlestown - Sept. 1919; Martin E. Keane
Dorchester - Sept. 1920; Walter J. Barry
East Boston - June 1925; Joseph D. Mahoney
Hyde Park - Sept. 1919; John P. Doyle
Roxbury - Sept. 1929; Albert F. Hanrahan
South Boston - Jan. 1929; Stephen T. Reilly
Fitchburg - Oct. 1959; Franklin M. Angevine
Haverhill - Oct. 1953; Thomas F. Garvey
Holyoke - March 1948; William J. Dean
Newton - March 1954; Orrin M. Brawn
Northampton - Sept. 1953; B. Stanley Dowgert
Pittsfield - Sept. 1951; William L. Dehey
Southbridge - Sept. 1919; Raymond L. W. Benoit
Springfield - April 1951; Edmond P. Garvey
Westfield - May 1951; Michael Gonzalez

Group 1 2c¹ - Thirty-seven Evening Industrial Schools (men)

Barnstable - Oct. 1958; Victor E. Mazzarella
Beverly - Oct. 1959; Joseph D. Brucchi
Boston - Oct. 1908; Arthur J. Driscoll
Brockton - Sept. 1945; Kenrick M. Baker
Chicopee - June 1945; Henry J. Rege
Dighton-Rehoboth Regional - Jan. 1963; Charles F. Day
Fall River - Oct. 1947; Charles R. Matte
Framingham - Oct. 1945; Joseph P. Keefe
Greenfield - Jan. 1962; Ralph E. Packard
Haverhill - March 1950; Thomas F. Garvey
Holyoke - April 1945; William J. Dean
King Philip Regional (Wrentham) - Nov. 1958; Preston I. Titus
Lawrence - March 1908; Daniel F. Sullivan
Leominster - March 1951; Emile S. Johnson
Lowell - Oct. 1945; Charles P. Conlon
Lynn Shoe - Jan. 1927; Stephen R. Callahan
Lynn Trade - Oct. 1946; James P. Barry
Malden - Oct. 1945; Thomas Lafionatis, Acting
Marlboro - Oct. 1946; Donald E. Graves
Medford - Nov. 1930; Walter D. Reid
New Bedford - Nov. 1907; Z. Walter Janiak
Newton - Feb. 1909; Orrin M. Brawn
Northampton - Oct. 1956; B. Stanley Dowgert
North Adams - Charles H. McCann - Oct. 1963; James R. Westall
Pittsfield - Oct. 1948; William L. Dehey
Provincetown - Jan. 1964; Arthur P. Malchman
Quincy - Nov. 1945; Maurice J. Daly
Salem - Oct. 1956; John M. Conway
Somerville Evening Trade - Oct. 1946; Walter E. Struble
Southbridge - Oct. 1936; Raymond L. W. Benoit
South Shore Vocational Technical Evening Industrial - Jan. 1963;
Frederick J. Teed
Springfield - Feb. 1916; Dennis J. Brunton
Taunton - Oct. 1956; Patrick H. Lyons
Waltham - Nov. 1945; Lloyd F. VanArsdale
Westfield - Oct. 1946; Michael Gonzalez
Weymouth - Oct. 1955; Ray G. Parker
Worcester - Feb. 1910; Walter B. Dennen

6/10/00 - 10/10/00 - 10/10/00 - 10/10/00

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Group 1 to 4 - 1944-1945 - 1946-1947

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Group I 2c² - One Evening Trade Extension (Women)

371

Springfield - Oct. 1961; Dennis J. Brunton

Group I 2d - Twenty-one Apprenticeship Schools

Boston - Nov. 1945; Jeffery Keating
Boston Journeyman - Oct. 1955; Jeffery Keating
Brockton - Oct. 1946; Kenrick M. Baker
Fitchburg - Nov. 1946; Franklin M. Angevine
Haverhill - March 1949; Thomas F. Garvey
Holyoke - Nov. 1946; William J. Dean
King Philip Regional (Wrentham) - Oct. 1961; Preston I. Titus
Lawrence - Dec. 1946; Daniel F. Sullivan
Leominster - Oct. 1946; Emile S. Johnson
Lowell - Oct. 1946; Charles P. Conlon
Lynn - Jan. 1947 James P. Barry
Malden - Oct. 1946; Thomas Lafionatis, Acting
Marlboro - Jan. 1947; Donald E. Graves
Medford - Nov. 1946; Walter D. Reid
Newton - Oct. 1939; Orrin M. Brawn
Pittsfield - Sept. 1927; William L. Dehey
Quincy - Oct. 1949; Maurice J. Daly
Springfield - Oct. 1944; Dennis J. Brunton
Taunton - Feb. 1947; Patrick H. Lyons
Weymouth - Oct. 1962; Ray G. Parker
Worcester - March 1943; Walter B. Dennen

Group III 1a - Nine Homemaking Schools

Cambridge - Dec. 1935; John M. Tobin
Everett - Oct. 1933; John W. Bates
Fall River - Sept. 1942; John P. Harrington
Lowell - Sept. 1911; Charles P. Conlon
New Bedford - Nov. 1907; Z. Walter Janiak
New Salem - Sept. 1935; Paul R. Wilbur
Northampton - Oct. 1908; D. Stanley Dowgert
Springfield - Jan. 1934; Edmond P. Garvey
Worcester - Jan. 1931; Blanche M. Penn

Group III 1b - Thirty-eight Day Household Arts Departments

Adams - Sept. 1936; J. Franklin Farrell
Apponequet Regional (Lakeville) - Sept. 1961; John F. Usher, Jr.
Barnstable - Sept. 1933; Victor E. Mazzarella
Belchertown - March 1925; Donald E. Geer
Beverly - Sept. 1937; William J. Foley
Bourne - Sept. 1928; Clayton E. Campbell
Charlton - Sept. 1949; William Ball
Dartmouth - Sept. 1935; Antone Bettencourt
Duxbury - Sept. 1953; Everett L. Handy
Easton - Sept. 1950; Julian S. Preuss
Fall River - Nov. 1919; Thomas W. Hammand
Falmouth - April 1925; Russell B. Marshall
Foxboro - Sept. 1953; William A. Glynn
Hadley - Aug. 1955; Edward J. Hulecki
Haverhill - Sept. 1924; Robert Jackson
Hudson - Sept. 1938; Martin J. Tierney
King Philip Regional (Wrentham) - Sept. 1958; Warren H. Pressley

Continued - 1914-1915

June 1 - 1914

June 1 - 1914
June 2 - 1914
June 3 - 1914
June 4 - 1914
June 5 - 1914
June 6 - 1914
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June 13 - 1914
June 14 - 1914
June 15 - 1914
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July 1 - 1914

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July 11 - 1914
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July 13 - 1914
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July 19 - 1914
July 20 - 1914
July 21 - 1914
July 22 - 1914
July 23 - 1914
July 24 - 1914
July 25 - 1914
July 26 - 1914
July 27 - 1914
July 28 - 1914
July 29 - 1914
July 30 - 1914

August 1 - 1914

August 1 - 1914
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August 17 - 1914
August 18 - 1914
August 19 - 1914
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August 21 - 1914
August 22 - 1914
August 23 - 1914
August 24 - 1914
August 25 - 1914
August 26 - 1914
August 27 - 1914
August 28 - 1914
August 29 - 1914
August 30 - 1914

Lee - Sept. 1938; Arthur L. Welcome
 Marshfield - Sept. 1939; James P. Romeo
 Narragansett Regional (Baldwinville) - Sept. 1957; John S. Huddleston
 Newburyport - Sept. 1941; Francis T. Bresnahan
 North Adams - Jan. 1935; Myrtle G. Temple
 Northbridge - Sept. 1939; Mildred M. Shay
 North Brookfield - Sept. 1958; George S. Frizzell
 Palmer - Sept. 1936; Stanley Remiewicz
 Pittsfield - Sept. 1922; William L. Dehey
 Provincetown - Nov. 1931; Arthur P. Malchman
 Salem - Sept. 1954; Chester R. Arnold
 Saugus - Sept. 1955; Ashton F. Davis
 Scituate - Sept. 1921; Edward L. Stewart
 Silver Lake Regional (Kingston) - July 1955; Ralph H. Binns, Acting
 Somerville - Nov. 1920; Leo C. Donahue
 Tewksbury - Sept. 1959; Lawrence R. McGowan
 Wachusett Regional (Holden) - Aug. 1954; Neal T. Skillings
 Wareham - Sept. 1952; John J. Rolfe
 West Bridgeater - Sept. 1941; Donald A. Fisher
 Westport - March 1924; Harold S. Wood
 Winchendon - Sept. 1936; Ralph H. Meacham

Group III 3 - One hundred twenty-nine Evening Practical Art Schools

Abington - April 1945; Leonard G. Palpoli
 Agawam - Jan. 1957; Richard H. Barry
 Amherst-Pelham Regional (Amherst) - Oct. 1956; Paul E. Healy
 Andover - Oct. 1945; Owen Hinckley
 Apponequet Regional - Oct. 1961; Herbert Wm Moore
 Arlington - Jan. 1950; Charles Fagone & Ralph Gioiosa
 Athol - Jan. 1950; Fred E. Lawton, Jr.
 Auburn - Sept. 1956; Gerald A. Keating
 Barnstable - Nov. 1948; Victor E. Mazzarella
 Bedford - Oct. 1956; Joseph B. Herlihy
 Belchertown - Oct. 1961; Frank M. Dunn, Jr.
 Belmont - Oct. 1951; John F. Usher
 Beverly - Sept. 1919; Carmine J. Belmonte
 Billerica - Oct. 1954; Anthony J. Zarella
 Boston - Oct. 1912; Charles E. Schroeder
 Bourne - Oct. 1961; Mrs. Alice G. Tyson
 Braintree - Jan. 1948; James J. Connolly
 Bridgewater - Oct. 1951; Albert F. Hunt, Jr.
 Brockton - Nov. 1926; Kenrick M. Baker
 Brookline - Jan. 1947; Wendell F. Smith
 Burlington - March 1949; Robert B. Murphy
 Cambridge - Dec. 1942; John M. Tobin
 Canton - Oct. 1954; John A. O'Connell
 Chatham - Oct. 1958; Jesse J. Morgan
 Chelmsford - Nov. 1962; George J. Betses
 Chicopee - Nov. 1921; Henry J. Rege
 Concord-Carlisle Regional (Concord) - Sept. 1961; Joseph C. Regan
 Danvers - Oct. 1962; Katherine M. Lawler
 Dartmouth - March 1954; Antone Bettencourt
 Dighton - Oct. 1958; Robert T. Roy
 Douglas - Oct. 1960; H. Deane Hoyt
 Duxbury - Oct. 1953; Everett L. Handy
 Easthampton - Oct. 1953; Anthony R. Muscenti
 East Longmeadow - Jan. 1954; Robert J. Jarvis
 Easton - Sept. 1957; Julian S. Preuss

Essex - Oct. 1955; Foster H. Ball
Essex County - July 1918; James Gallant, F.
Everett - Oct. 1911; John W. Bates
Fall River - June 1943; John P. Harrington
Falmouth - March 1954; Russell B. Marshall
Foxboro - Jan. 1964; John P. Certure
Franklin - Jan. 1949; Mrs. Helen G. Thomas
Frontier Regional (South Deerfield) - Feb. 1960; Henry J. Zukowski
Gardner - Jan. 1962; Mrs. Helen C. Polymeres
Gloucester - March 1935; Kenneth E. Stickney
Greenfield - Oct. 1948; Ralph E. Packard
Hadley - March 1958; Edward J. Hulecki
Hanover - April 1948; Philip N. Center
Harwich - March 1950; Jesse J. Morgan
Hingham - Oct. 1957; Theodore I. Ricci, Jr.
Holbrook - Oct. 1950; Irvin D. Reade
Holyoke - Oct. 1911; Dr. Marcella Kelly
Hudson - Jan. 1945; C. Myron Billings
Hull - Feb. 1950; Peter V. Garofoli
King Philip Regional (Wrentham) - Nov. 1958; Preston I. Titus
Lawrence - March 1908; Daniel F. Sullivan
Lenox - Nov. 1954; Hiram F. Battey
Leominster - Feb. 1916; Donald J. Geary
Lexington - Oct. 1946; Russell O. Mann
Lowell - Sept. 1911; Charles P. Conlon
Lunenburg - Jan. 1962; Leo Millea, Jr.
Lynn - Feb. 1920; Francis V. Kennedy
Mahar, Ralph C. Regional (Orange) - Oct. 1958; John E. Roche, Jr.
Manchester - Oct. 1959; Foster H. Ball
Medford - Oct. 1922; Catherine Fuller
Melrose - March 1946; Leon Tinel
Methuen - Oct. 1912; Walter B. Ingalls
Middleboro - March 1949; Charles L. Manos
Milford - Feb. 1955; David I. Davoren
Millis - March 1948; George C. Roy
Milton - April 1946; Robert E. Deakin
Montague - Oct. 1954; Robert L. Plaistead
Narragansett Regional (Baldwinville) - Oct. 1958; Kenneth F. Bockus
New Bedford - Nov. 1907; Z. Walter Janiak
Newton - Feb. 1909; Orrin N. Brawn
North Adams - Oct. 1948; George P. Sullivan
Northampton - April 1942; B. Stanley Dowgert
North Attleboro - Jan. 1950; Leon A. Regan
Northbridge - Nov. 1941; James S. Mullaney
North Reading - March 1959; F. James W. Iazenby
Norwell - Oct. 1955; Frederick A. Small
Norwood - Oct. 1944; Ann E. Donovan
Old Rochester Regional (Rochester) - Jan. 1962; Harold M. Gay
Palmer - March 1948; Leo J. Santucci
Pioneer Valley Regional (Northfield) - March 1958; F. Sumner Turner
-Pittsfield - Oct. 1943; William L. Dehey
Plymouth - Oct. 1956; F. Edward Nicolas
Provincetown - Oct. 1948; Arthur P. Malchman
Quincy - Nov. 1945; Chester V. Sweatt
Randolph - April 1945; Thomas L. Warren
Reading - Oct. 1957; John R. Copithorne
Rehoboth - Jan. 1959; Robert T. Roy
Revere - Feb. 1954; Albert R. Fulchino
Rockland - Oct. 1949; Robert G. Watson

Salem - Oct. 1940; Patrick T. Fallon
Saugus - Jan. 1957; Louise Solomita
Scituate - Dec. 1951; Edward J. Bielski
Shelburne - Jan. 1956; Roy A. Bither, Jr.
Silver Lake Regional (Kingston) - Jan. 1956; Richard St. Onge
Somerset - Sept. 1928; Thomas J. Daley
Somerville - Oct. 1911; Leo C. Donahue
Southbridge - Sept. 1947; Raymond L. W. Benoit
South Hadley - Oct. 1953; Walter J. Vorse
Spencer - Nov. 1948; Edward R. McDonough
Springfield - Oct. 1935; Dennis J. Brunton
Stoughton - Sept. 1953; Donald W. Kimtis
Swampscott - Oct. 1957; Harold I. Power
Swansea - Sept. 1947; Mrs. Avis B. Phillips
Taunton - Oct. 1945; Patrick H. Lyons
Tewksbury - Oct. 1960; Francis Sheehan
Truro - Nov. 1949; Arthur P. Malchman
Wakefield - Feb. 1954; John S. Zynski
Waltham - Nov. 1943; James Fitzgerald
Ware - Oct. 1962; Mrs. Josie Buskey
Wareham - Feb. 1950; John J. Rolfe
Webster - Dec. 1934; Howard V. McGuinness
Wellesley - Oct. 1950; Salvatore W. Simone
West Bridgewater - Oct. 1963; Donald A. Fisher
Westfield - Nov. 1948; Michael Gonzalez
Westport - Oct. 1955; Harold S. Wood
West Springfield - Oct. 1961; Mrs. Mary R. A. Lovett
Westwood - Oct. 1948; Duane E. Kocina
Weymouth - Oct. 1946; Harold G. Olson
Whitman-Hanson Regional (Whitman) - Oct. 1961; Robert S. Teahan
Wilmington - Oct. 1962; Harold S. Shea
Winchendon - Nov. 1944; Ralph H. Meacham
Woburn - Jan. 1952; James F. Brennan
Worcester - Sept. 1911; Blanche M. Penn
Yarmouth - Feb. 1951; Gregory C. Drake

Group IV 1a - Five Agricultural Schools

Bristol County (Segreganset) - Sept. 1913; John B. Farrar
Essex County Agricultural and Technical Institute (Hathorne) - Oct. 1913
James F. Gallant
New Salem - Sept. 1920; Paul R. Wilbur
Norfolk County (Walpole) - Oct. 1916; Foster H. Weiss
Northampton - Smith's - Oct. 1908; B. Stanley Dowgert

Group IV 1b - Thirteen Vocational Agricultural Departments with names of
instructors (days)²

Barnstable - Sept. 1934; Gerald E. White
Boston (Jamaica Plain) - Nov. 1918; Henry G. Wendler, Coordinator
Charlton - Sept. 1949; John H. Chambers
Hadley - July 1955; Frank J. Wilson
Narragansett Regional (Baldwinville) - Sept. 1957; Wilfred L. Dennis

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Group IV 1b - Thirteen Vocational Agricultural Departments with
names of instructors (day)² (con't)

375

North Brookfield - July 1956; David Kramer
Pioneer Valley Regional (Northfield) - Sept. 1957; Brian L. Overdorff
Shelburne - March 1920; Ernest R. Giffin
Silver Lake Regional (Kingston) - July 1955; George H. Fraser
Stockbridge - June 1936; Kenneth W. Milligan
Wachusett Regional (Holden) - July 1954; G. Joseph Gribouski
Westport - Aug. 1925; Joseph Szala
Worcester - May 1917; G. Andrew Karlson

Group IV 3 - Six Vocational Agricultural Departments (evening)

Bristol County (Segreganset) - Oct. 1940; John B. Farrar
Essex County (Hathorne) - Dec. 1926; James F. Gallant
Narragansett Regional (Baldwinville) - Nov. 1958; Kenneth F. Bockus
Northampton - March 1960; B. Stanley Dowgert
Wachusett Regional (Holden) - Nov. 1956; Neal T. Skillings
Westport - July 1953; Harold S. Wood

Group V 1a - Twenty-three Part-time Cooperative Distributive
Occupations Schools

Beverly - Sept. 1957; William J. Foley
Boston - Dorchester - Sept. 1937; Helen M. Moran
East Boston - Sept. 1937; Helen M. Moran
Hyde Park - Sept. 1961; Helen M. Moran
Jamaica Plain - Sept. 1937; Helen M. Moran
Jeremiah E. Burke - Sept. 1960; Helen M. Moran
Braintree - Sept. 1961; Walter E. Hjelm
Brockton - Sept. 1944; Kenrick M. Baker
Chicopee - Sept. 1950; John L. Fitzpatrick
Essex County (Hathorne)) - Dec. 1960; James F. Gallant
Fitchburg - April 1956; Stephen T. Woodbury
Lowell - Sept. 1946; Charles P. Conlon
Malden - Sept. 1962; Thomas Lafionatis, Acting
Medford - Feb. 1942; Walter D. Reid
Peabody - Nov. 1956; Arthur J. Barry
Pittsfield - Sept. 1941; William L. Dehey
Quincy - Sept. 1946; Lloyd M. Creighton
Salem - Sept. 1948; John M. Conway
Saugus - April 1961, Ashton F. Davis
Somerville - Sept. 1948; Walter Z. Struble
Springfield - Sept. 1963; Edmond P. Garvey
Waltham - Sept. 1963; Lloyd F. VanArsdale
Weymouth - Sept. 1960; Wallace L. Whittle

Group V 2 - Four Evening Distributive Occupations Schools

Boston - April 1943; Helen M. Moran
Lowell - Oct. 1954; Charles P. Conlon
Malden - Nov. 1953; Thomas Lafionatis, Acting
Pittsfield - Nov. 1953; William L. Dehey

Group VI 1 - Twelve Day Practical Nursing Schools

Boston - Sept. 1957; Agnes K. Brennan
Essex County (Hathorne) - Dec. 1961; James F. Gallant
Fall River - Sept. 1959; John P. Harrington
Lawrence - Sept. 1958; Daniel F. Sullivan
Lowell - Sept. 1962; Charles P. Conlon
North Adams - Charles H. McCann School of Vocational Education - Practical Nursing - Oct. 1962; James R. Westall
Northampton - Nov. 1960; B. Stanley Dowgert
Norwood - Sept. 1960; Ann E. Donovan
Pittsfield - Feb. 1958; William L. Dehey
Springfield - Sept. 1957; Edmond P. Garvey
Taunton, - Feb. 1957; Patrick H. Lyons
Worcester - Sept. 1953; Blanche H. Penn

Group VI 2 - Four Evening Trade Extension Schools (women) - Practical Nursing

Essex County (Hathorne) - Nov. 1959; James F. Gallant
Northampton - Feb. 1963; B. Stanley Dowgert
Somerville - Nov. 1958; Leo C. Donahue
Springfield - Sept. 1957; Dennis J. Brunton

Group VII 1 - Thirteen Day Area Vocational Schools

Arlington - Sept. 1961; Edmund J. Lewis
Fall River - Sept. 1959; John P. Harrington
Leominster - Feb. 1959; Emile B. Johnson
Lynn - Feb. 1959; Michael C. O'Donnell
Medford - Sept. 1959; Walter D. Reid
New Bedford - Sept. 1961; Z. Walter Janiak
Newton - Feb. 1959; Orrin M. Brawn
Pittsfield - Feb. 1959; William L. Dehey
Quincy - Feb. 1959; Maurice J. Daly
South Shore - Feb. 1963; Frederick J. Teed
Springfield - Sept. 1959; Edmond P. Garvey
Weymouth - Sept. 1962; Ray G. Parker
Worcester Industrial Technical Institute - Sept. 1960; Walter B. Dennen

Group VII 2 - Twelve Evening Area Vocational Schools

Framingham - Sept. 1959; Joseph P. Keefe
Leominster - Nov. 1959; Emile S. Johnson
Lynn - Oct. 1959; James P. Barry
Medford - Sept. 1959; Walter D. Reid
New Bedford - Nov. 1960; Z. Walter Janiak
Pittsfield - Jan. 1960; William L. Dehey
Quincy - Oct. 1960; Maurice J. Daly
South Shore - Jan. 1963; Frederick J. Teed
Springfield - Nov. 1961; Dennis J. Brunton
Waltham - Dec. 1962; Lloyd F. VanArsdale
Westfield - Sept. 1963; Michael Gonzalez
Worcester - Feb. 1960; Walter B. Dennen

² The Principal of the High School usually serves as Director.

[illegible]

This image shows a blank, aged, cream-colored page, likely an endpaper or flyleaf of a book. The paper has a slightly textured appearance with numerous small, dark spots (foxing or dirt) scattered across its surface. There are also some faint, illegible markings and smudges, possibly from the scanning process or the original document. The overall tone is a warm, off-white or light beige.

Table No. 2. - Consolidated Financial Statement by Types of Schools

School Year Ending June 30, 1963

| CITIES, TOWNS,
COUNTIES AND REGIONS

1 | EXPENDITURES | | | RECEIPTS | | |
|---|------------------------------|----------------------------|--------------|-----------------------|-------------------------|--------------------------|
| | Capital
Expenditures
2 | School
Maintenance
3 | Total
4 | School
Income
5 | Net
Maintenance
6 | State Reimbursement
7 |
| GROUP I 1a - BOYS' DAY INDUSTRIAL SCHOOLS | | | | | | |
| Apponequet Regional | 59.39 | 47,999.81 | 48,059.20 | 18,788.48 | 29,211.33 | 14,605.67 |
| Arlington | 13,663.00 | 102,379.74 | 116,042.74 | 8,474.96 | 93,904.78 | 46,952.39 |
| Attleboro | 412.03 | 98,069.66 | 98,481.69 | 40,110.72 | 57,958.94 | 28,979.47 |
| Avon | 420.45 | 18,201.39 | 18,621.84 | 1,094.05 | 17,107.34 | 8,553.67 |
| Barnstable | 1,010.28 | 100,352.04 | 101,362.32 | 13,351.92 | 87,000.12 | 43,500.06 |
| Belmont | 1,907.75 | 71,417.15 | 73,324.90 | 11,807.18 | 59,609.97 | 29,804.99 |
| Beverly | 2,011.00 | 109,591.25 | 111,602.25 | 11,056.30 | 98,534.95 | 49,267.47 |
| Boston | 10,941.97 | 930,591.73 | 941,533.70 | 57,496.22 | 873,095.51 | 436,547.75 |
| Brockton | 3,711.11 | 78,047.98 | 81,759.09 | 16,450.01 | 61,597.97 | 30,798.99 |
| Cambridge | --- | 53,361.16 | 53,361.16 | 500.00 | 52,861.16 | 26,430.58 |
| Chicopee | --- | 148,815.02 | 148,815.02 | 10,946.33 | 137,868.69 | 68,934.35 |
| Dartmouth | 1,128.44 | 22,522.10 | 23,650.54 | 275.50 | 22,246.60 | 11,123.30 |
| Dighton-Rehoboth Regional | --- | 59,499.06 | 59,499.06 | 18,947.73 | 40,551.33 | 20,275.67 |
| Everett | 731.81 | 221,897.57 | 222,629.38 | 30,753.00 | 191,144.57 | 95,572.29 |
| Fall River - Diman | 3,000.58 | 185,890.89 | 188,891.47 | 5,588.92 | 180,301.97 | 90,150.99 |
| Fitchburg | 669.24 | 79,861.99 | 80,531.23 | 3,540.42 | 76,321.57 | 38,160.79 |
| Framingham | 2,270.82 | 91,884.96 | 94,155.78 | 14,200.62 | 77,684.34 | 38,842.17 |
| Gloucester | 3,470.24 | 103,240.66 | 106,710.90 | 4,663.60 | 98,577.06 | 49,288.54 |
| Greenfield | --- | 102,622.72 | 102,622.72 | 53,130.55 | 49,492.17 | 24,746.09 |
| Haverhill | 6,703.87 | 322,284.84 | 328,988.71 | 83,905.73 | 238,379.11 | 119,189.55 |
| Holyoke | 2,986.62 | 168,346.75 | 171,333.37 | 38,135.26 | 130,211.49 | 65,105.75 |
| King Philip Regional | 51.42 | 55,620.57 | 55,671.99 | 8,262.09 | 47,358.48 | 23,679.24 |
| Leominster - Saxton | 6,791.18 | 88,608.02 | 95,399.20 | 13,578.59 | 75,029.43 | 37,514.72 |
| Lowell | 4,313.84 | 181,705.19 | 186,019.03 | 19,128.60 | 162,576.59 | 81,288.30 |
| Lynn Shoe | 4,568.36 | 109,500.18 | 114,068.54 | 15,666.45 | 93,833.73 | 46,916.87 |
| Lynn Trade | 1,136.82 | 191,066.72 | 192,203.54 | 4,833.56 | 186,233.16 | 93,116.58 |
| Malden | 67.76 | 88,683.77 | 88,751.53 | 5,021.95 | 83,661.82 | 41,830.91 |
| Marlboro | 693,526.97 | 83,318.55 | 776,845.52 | 22,132.85 | 61,185.70 | 30,592.85 |
| Medford - Weldon | 5,659.92 | 202,684.85 | 208,344.77 | 32,323.92 | 170,360.93 | 85,180.47 |
| Nantucket | 81.44 | 27,514.57 | 27,596.01 | 3,324.51 | 24,190.06 | 12,095.03 |
| New Bedford | 8,211.81 | 392,431.07 | 400,642.88 | 60,852.28 | 331,578.79 | 165,789.40 |
| New Salem | 224.06 | 30,375.94 | 30,600.00 | 23,291.11 | 7,084.83 | 3,542.42 |
| Newton | 34,883.03 | 259,276.29 | 294,159.32 | 47,304.24 | 211,972.05 | 105,986.03 |
| North Adams - McCann | 1,450,750.09 | 241,230.59 | 1,691,980.68 | 86,585.09 | 154,645.50 | 77,322.75 |
| Northampton | 14,719.21 | 201,531.36 | 216,250.57 | 66,988.31 | 134,543.05 | 67,271.53 |
| Northbridge | --- | 12,285.42 | 12,285.42 | 1,418.32 | 10,867.10 | 5,433.55 |
| Peabody | 949.55 | 67,046.44 | 67,995.99 | 4,656.58 | 62,389.86 | 31,194.93 |
| Pittsfield | 1,750.41 | 172,453.85 | 174,204.26 | 12,327.67 | 160,126.18 | 80,063.09 |
| Provincetown | 390.00 | 19,479.22 | 19,869.22 | 568.43 | 18,910.79 | 9,455.40 |

| I la (continued) | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
|---|---|--------------|--------------|---------------|--------------|--------------|--------------|
| Quincy | | 7,455.49 | 213,110.74 | 220,566.23 | 20,387.18 | 192,723.56 | 96,361.78 |
| Randolph | | 23.06 | 23,824.24 | 23,847.30 | 40.60 | 23,783.64 | 11,891.82 |
| Salem | | 583.08 | 91,747.51 | 92,330.59 | 579.02 | 91,168.49 | 45,584.25 |
| Silver Lake Regional | | 1,627.26 | 46,421.51 | 48,048.77 | 1,785.00 | 44,636.51 | 22,318.26 |
| Somerville | | 4,058.65 | 184,669.36 | 188,728.01 | 10,482.88 | 174,186.48 | 87,093.24 |
| Southbridge - Cole | | 999.39 | 91,891.25 | 92,890.64 | 6,816.95 | 85,074.30 | 42,537.15 |
| South Shore | | 1,211,184.00 | 185,478.69 | 1,396,662.69 | 52,917.12 | 132,561.57 | 66,280.79 |
| Springfield | | 43,825.51 | 555,463.88 | 599,289.39 | 162,140.30 | 393,323.58 | 196,661.79 |
| Swansea | | --- | 14,209.33 | 14,209.33 | --- | 14,209.33 | 7,104.67 |
| Taunton | | 2,371.52 | 68,385.10 | 70,756.62 | 13,810.45 | 54,574.65 | 27,287.33 |
| Waltham | | 6,551.94 | 201,924.12 | 208,476.06 | 31,279.58 | 170,644.54 | 85,322.27 |
| Wareham | | 131.62 | 19,095.24 | 19,226.86 | 1,062.80 | 18,032.44 | 9,016.22 |
| Webster - Bartlett | | 785.92 | 63,597.33 | 64,383.25 | 9,654.72 | 53,942.61 | 26,971.31 |
| Westfield | | 1,353.00 | 196,027.14 | 197,380.14 | 17,531.79 | 178,495.35 | 89,247.68 |
| Weymouth | | 912,549.52 | 201,176.83 | 1,113,726.35 | 38,275.75 | 162,901.08 | 81,450.54 |
| Worcester | | 6,240.76 | 640,422.23 | 646,662.99 | 131,101.99 | 509,320.24 | 254,660.12 |
| TOTAL | | 4,482,915.19 | 8,339,135.57 | 12,822,050.76 | 1,369,348.18 | 6,969,787.39 | 3,484,893.82 |
| GROUP I la ¹ - UNIT TRADE - TYPE C - TRADE PREPARATORY (BOYS) | | | | | | | |
| Fitchburg | | --- | 1,001.63 | 1,001.63 | 180.17 | 821.46 | 410.73 |
| Framingham | | --- | 897.95 | 897.95 | 528.30 | 369.65 | 184.83 |
| Leominster | | --- | 2,239.00 | 2,239.00 | 793.80 | 1,445.20 | 722.60 |
| Lynn | | --- | 2,059.54 | 2,059.54 | 192.45 | 1,867.09 | 933.55 |
| Waltham | | --- | 4,126.00 | 4,126.00 | 710.80 | 3,415.20 | 1,707.60 |
| Westfield | | --- | 3,525.19 | 3,525.19 | 1,620.00 | 1,905.19 | 952.60 |
| TOTAL | | --- | 13,849.31 | 13,849.31 | 4,025.52 | 9,823.79 | 4,911.91 |
| GROUP I lb - GIRLS' DAY INDUSTRIAL SCHOOLS | | | | | | | |
| Boston | | 1,144.57 | 212,837.83 | 213,982.40 | 11,779.56 | 201,058.27 | 100,529.14 |
| Essex County | | --- | 38,340.36 | 38,340.36 | 1,128.44 | 37,211.92 | 18,605.96 |
| Fall River - Diman | | 524.09 | 29,236.90 | 29,760.99 | 47.00 | 29,189.90 | 14,594.95 |
| Norwood - Peabody | | 11,997.36 | 104,006.74 | 116,004.10 | 37,869.84 | 66,136.90 | 33,068.45 |
| Springfield | | --- | 135,492.04 | 135,492.04 | 43,254.88 | 92,237.16 | 46,118.58 |
| Worcester - Fanning | | 639.24 | 216,178.00 | 216,817.24 | 67,628.11 | 148,549.89 | 74,275.00 |
| TOTAL | | 14,305.26 | 736,091.87 | 750,397.13 | 161,707.83 | 574,384.04 | 287,192.08 |
| GROUP I lb ¹ - UNIT TRADE - TYPE C - TRADE PREPARATORY (GIRLS) | | | | | | | |
| Boston | | --- | 2,902.31 | 2,902.31 | 1,200.00 | 1,702.31 | 851.15 |
| Fall River | | --- | 84.00 | 84.00 | --- | 84.00 | 42.00 |
| Northbridge | | --- | 360.00 | 360.00 | 360.00 | --- | --- |
| Springfield | | --- | 887.32 | 887.32 | 440.20 | 447.12 | 223.56 |
| TOTAL | | --- | 4,233.63 | 4,233.63 | 2,000.20 | 2,233.43 | 1,116.71 |
| GROUP I lc - INDUSTRIAL DEPARTMENTS | | | | | | | |
| Boston | | 6,227.54 | 442,622.94 | 448,850.48 | 26,972.42 | 415,650.52 | 207,825.26 |
| TOTAL | | 6,227.54 | 442,622.94 | 448,850.48 | 26,972.42 | 415,650.52 | 207,825.26 |

GROUP I 2a - PART-TIME COOPERATIVE
TRADE SCHOOLS

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|-------------|--------|------------|------------|-----------|------------|------------|
| Arlington | --- | 176.00 | 176.00 | 176.00 | --- | --- |
| Beverly | 350.00 | 21,378.41 | 21,728.41 | 7,808.16 | 13,570.25 | 6,785.13 |
| Boston | --- | 205,995.85 | 205,995.85 | 24,836.10 | 181,159.75 | 90,579.87 |
| Fitchburg | --- | 3,740.05 | 3,740.05 | 615.00 | 3,125.05 | 1,562.53 |
| Haverhill | --- | 18,693.33 | 18,693.33 | 11,659.08 | 7,034.25 | 3,517.13 |
| Holyoke | --- | 11,463.48 | 11,463.48 | --- | 11,463.48 | 5,731.74 |
| Newton | --- | 9,822.00 | 9,822.00 | 1,193.00 | 8,629.00 | 4,314.50 |
| Northampton | --- | 132.00 | 132.00 | 132.00 | --- | --- |
| Pittsfield | --- | 9,295.75 | 9,295.75 | 4,302.50 | 4,993.25 | 2,496.63 |
| Southbridge | 239.08 | 23,758.79 | 23,997.87 | 3,105.16 | 20,653.63 | 10,326.82 |
| Springfield | --- | 48,260.09 | 48,260.09 | 10,961.60 | 37,298.49 | 18,649.24 |
| Westfield | --- | 18,658.80 | 18,658.80 | 1,329.00 | 17,329.80 | 8,664.90 |
| TOTAL | 589.08 | 371,374.55 | 371,963.63 | 66,117.60 | 305,256.95 | 152,628.49 |

GROUP I 2c¹ - MEN'S EVENING INDUSTRIAL SCHOOLS

| | | | | | | |
|---------------------------|----------|-----------|-----------|----------|-----------|-----------|
| Apponequet Regional | --- | 1,291.95 | 1,291.95 | 1,049.30 | 242.65 | 121.33 |
| Arlington | --- | 4,799.01 | 4,799.01 | 198.60 | 4,600.41 | 2,300.20 |
| Barnstable | --- | 1,264.88 | 1,264.88 | 181.80 | 1,083.08 | 541.54 |
| Beverly | --- | 2,685.14 | 2,685.14 | 609.00 | 2,076.14 | 1,038.07 |
| Boston | 1,380.99 | 41,574.84 | 42,955.83 | 4,115.40 | 37,459.44 | 18,729.72 |
| Brockton | --- | 5,439.13 | 5,439.13 | 891.60 | 4,547.53 | 2,273.77 |
| Chicopee | --- | 8,345.71 | 8,345.71 | --- | 8,345.71 | 4,172.86 |
| Dighton-Rehoboth Regional | --- | 727.04 | 727.04 | 627.04 | 100.00 | 50.00 |
| Fall River | --- | 2,603.50 | 2,603.50 | 220.60 | 2,382.90 | 1,191.45 |
| Framingham | --- | 5,889.02 | 5,889.02 | 1,679.30 | 4,209.72 | 2,104.86 |
| Greenfield | --- | 1,671.21 | 1,671.21 | 1,606.44 | 64.77 | 32.39 |
| Haverhill | 525.00 | 12,497.80 | 13,022.80 | 2,416.33 | 10,081.47 | 5,040.73 |
| Holyoke | --- | 12,369.42 | 12,369.42 | 1,278.75 | 11,090.67 | 5,545.34 |
| King Philip Regional | --- | 1,475.00 | 1,475.00 | 892.00 | 583.00 | 291.50 |
| Lawrence | --- | 12,276.32 | 12,276.32 | 1,205.42 | 11,070.90 | 5,535.45 |
| Leominster | --- | 3,023.00 | 3,023.00 | 947.40 | 2,075.60 | 1,037.80 |
| Lowell | --- | 4,864.07 | 4,864.07 | 881.25 | 3,982.82 | 1,991.41 |
| Lynn Shoe | 796.10 | 11,381.04 | 12,177.14 | 4,388.40 | 6,992.64 | 3,496.32 |
| Lynn Trade | --- | 6,976.43 | 6,976.43 | 2,803.55 | 4,172.88 | 2,086.44 |
| Malden | --- | 2,189.13 | 2,189.13 | 216.60 | 1,972.53 | 986.26 |
| Marlboro | 131.32 | 3,470.14 | 3,601.46 | 487.80 | 2,982.34 | 1,491.17 |
| Medford | --- | 4,119.38 | 4,119.38 | 2,152.50 | 1,966.88 | 983.44 |
| New Bedford | --- | 15,042.09 | 15,042.09 | 3,578.30 | 11,463.79 | 5,731.90 |
| Newton | --- | 5,487.13 | 5,487.13 | 1,889.60 | 3,597.53 | 1,798.77 |
| Northampton | --- | 548.50 | 548.50 | 424.50 | 124.00 | 62.00 |
| Pittsfield | --- | 6,246.30 | 6,246.30 | 1,282.60 | 4,963.70 | 2,481.85 |
| Quincy | --- | 5,904.46 | 5,904.46 | 1,993.00 | 3,911.46 | 1,955.73 |
| Salem | --- | 1,864.17 | 1,864.17 | 352.20 | 1,511.97 | 755.99 |
| Somerville | --- | 6,969.50 | 6,969.50 | 788.40 | 6,181.10 | 3,090.55 |
| Southbridge | --- | 1,234.70 | 1,234.70 | 177.00 | 1,057.70 | 528.85 |
| South Shore | --- | 2,506.00 | 2,506.00 | 585.80 | 1,920.20 | 960.10 |
| Springfield | --- | 22,745.48 | 22,745.48 | 6,573.20 | 16,172.28 | 8,086.14 |
| Swansea | --- | 304.08 | 304.08 | 304.08 | --- | --- |

| GROUP I 2c ¹ - MEN'S EVENING INDUSTRIAL SCHOOLS (continued) | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
|--|--------|----------|------------|------------|------------|------------|------------|
| Taunton | --- | --- | 1,285.50 | 1,285.50 | 147.60 | 1,137.90 | 568.95 |
| Waltham- | --- | --- | 4,771.80 | 4,771.80 | 552.60 | 4,219.20 | 2,109.60 |
| Webster | --- | --- | 604.12 | 604.12 | 604.12 | --- | --- |
| Westfield | --- | --- | 10,219.19 | 10,219.19 | 1,930.10 | 8,289.09 | 4,144.54 |
| Weymouth | --- | --- | 1,921.08 | 1,921.08 | 269.40 | 1,651.68 | 825.84 |
| Worcester | --- | --- | 50,639.86 | 50,639.86 | 16,654.82 | 33,985.04 | 16,992.52 |
| TOTAL | | 2,833.41 | 289,227.12 | 292,060.53 | 66,956.40 | 222,270.72 | 111,135.38 |
| GROUP I 2c ² - EVENING TRADE EXTENSION SCHOOLS (WOMEN) | | | | | | | |
| Springfield | --- | --- | 298.32 | 298.32 | 112.80 | 185.52 | 92.76 |
| TOTAL | --- | --- | 298.32 | 298.32 | 112.80 | 185.52 | 92.76 |
| GROUP I 2d - EVENING APPRENTICESHIP SCHOOLS | | | | | | | |
| Boston & Journeyman | --- | --- | 89,327.83 | 89,327.83 | 36,321.02 | 53,006.81 | 26,503.41 |
| Brockton | --- | --- | 5,351.44 | 5,351.44 | 1,167.20 | 4,184.24 | 2,092.12 |
| Fitchburg | --- | --- | 2,034.53 | 2,034.53 | 1,386.40 | 648.13 | 324.07 |
| Haverhill | --- | --- | 817.28 | 817.28 | 699.75 | 117.53 | 58.77 |
| Holyoke | --- | --- | 1,912.45 | 1,912.45 | 146.40 | 1,766.05 | 883.03 |
| King Philip Regional | --- | --- | 1,125.00 | 1,125.00 | 140.00 | 985.00 | 492.50 |
| Lawrence | 81.67 | --- | 3,883.38 | 3,965.05 | 2,173.70 | 1,709.68 | 854.84 |
| Leominster | --- | --- | 378.25 | 378.25 | 315.60 | 62.65 | 31.33 |
| Lowell | --- | --- | 4,192.57 | 4,192.57 | 2,369.00 | 1,823.57 | 911.79 |
| Lynn | --- | --- | 4,463.35 | 4,463.35 | 1,874.40 | 2,588.95 | 1,294.48 |
| Malden | --- | --- | 2,168.37 | 2,168.37 | 761.50 | 1,406.87 | 703.44 |
| Marlboro | 47.16 | --- | 1,370.22 | 1,417.38 | 210.60 | 1,159.62 | 579.81 |
| Medford | --- | --- | 2,836.00 | 2,836.00 | 2,836.00 | --- | --- |
| Newton | --- | --- | 3,341.85 | 3,341.85 | 2,311.60 | 1,030.25 | 515.12 |
| Pittsfield | --- | --- | 15,103.74 | 15,103.74 | 8,000.00 | 7,103.74 | 3,551.87 |
| Quincy | --- | --- | 3,700.21 | 3,700.21 | 2,773.10 | 927.11 | 463.56 |
| Springfield | --- | --- | 7,891.93 | 7,891.93 | 6,211.80 | 1,680.13 | 840.07 |
| Taunton | --- | --- | 798.50 | 798.50 | 226.80 | 571.70 | 285.85 |
| Weymouth | --- | --- | 410.00 | 410.00 | 134.40 | 275.60 | 137.80 |
| Worcester | --- | --- | 2,716.20 | 2,716.20 | 2,716.20 | --- | --- |
| TOTAL | | 128.83 | 153,823.10 | 153,951.93 | 72,775.47 | 81,047.63 | 40,523.86 |
| GROUP III 1a - DAY HOUSEHOLD ARTS SCHOOLS | | | | | | | |
| Cambridge | --- | --- | 22,942.37 | 22,942.37 | 742.00 | 22,200.37 | 11,100.19 |
| Everett | --- | --- | 11,396.91 | 11,396.91 | 1.60 | 11,395.31 | 5,697.66 |
| Fall River | 19.80 | --- | 29,511.85 | 29,531.65 | 1,800.00 | 27,711.85 | 13,855.93 |
| Lowell | 293.14 | --- | 89,470.78 | 89,763.92 | 6,087.50 | 83,383.28 | 41,691.64 |
| New Bedford | --- | --- | 148,438.11 | 148,438.11 | 36,831.80 | 111,606.31 | 55,803.16 |
| New Salem | 128.82 | --- | 17,461.49 | 17,590.31 | 13,496.00 | 3,965.49 | 1,982.75 |
| Northampton | 410.43 | --- | 44,681.76 | 45,092.19 | 13,234.43 | 31,447.33 | 15,723.67 |
| Springfield | --- | --- | 25,447.82 | 25,447.82 | 21,783.00 | 3,664.82 | 1,832.41 |
| Worcester | 319.63 | --- | 52,019.92 | 52,339.55 | 12,955.31 | 39,064.61 | 19,532.32 |
| TOTAL | | 1,171.82 | 441,371.01 | 442,542.83 | 106,931.64 | 334,439.37 | 167,219.73 |

GROUP III 1b - DAY HOUSEHOLD ARTS DEPARTMENTS 1

| | 2 | 3 | 4 | 5 | 6 | 7 |
|-----------------------|----------|------------|------------|-----------|------------|------------|
| Adams | --- | 5,608.05 | 5,608.05 | 82.55 | 5,525.50 | 2,762.75 |
| Apponequet Regional | --- | 7,012.35 | 7,012.35 | 5,883.33 | 1,129.02 | 564.51 |
| Barnstable | --- | 7,894.64 | 7,894.64 | --- | 7,894.64 | 3,947.32 |
| Belchertown | --- | 4,137.20 | 4,137.20 | --- | 4,137.20 | 2,068.60 |
| Beverly | --- | 4,739.30 | 4,739.30 | --- | 4,739.30 | 2,369.65 |
| Bourne | --- | 9,601.96 | 9,601.96 | 250.00 | 9,351.96 | 4,675.98 |
| Charlton | --- | 4,037.55 | 4,037.55 | --- | 4,037.55 | 2,018.78 |
| Dartmouth | 19.42 | 5,712.08 | 5,731.50 | --- | 5,712.08 | 2,856.04 |
| Duxbury | --- | 4,479.15 | 4,479.15 | --- | 4,479.15 | 2,239.58 |
| Easton | --- | 9,143.06 | 9,143.06 | --- | 9,143.06 | 4,571.63 |
| Fall River | --- | 6,131.55 | 6,131.55 | 974.50 | 5,157.05 | 2,578.53 |
| Falmouth | --- | 4,373.31 | 4,373.31 | 1,054.48 | 3,318.83 | 1,659.42 |
| Foxboro | --- | 10,954.82 | 10,954.82 | --- | 10,954.82 | 5,477.41 |
| Hadley | --- | 4,565.97 | 4,565.97 | 1,400.00 | 3,165.97 | 1,582.99 |
| Haverhill | --- | 30,779.08 | 30,779.08 | 4,855.00 | 25,924.08 | 12,962.04 |
| Hudson | --- | 4,779.00 | 4,779.00 | --- | 4,779.00 | 2,389.50 |
| King Philip Regional | --- | 7,568.95 | 7,568.95 | 4,448.92 | 3,120.03 | 1,560.02 |
| Lee | --- | 4,963.06 | 4,963.06 | --- | 4,963.06 | 2,481.53 |
| Marshfield | --- | 9,605.58 | 9,605.58 | --- | 9,605.58 | 4,802.79 |
| Narragansett Regional | --- | 6,505.07 | 6,505.07 | 1,800.00 | 4,705.07 | 2,352.54 |
| Newburyport | --- | 12,309.34 | 12,309.34 | 5,499.58 | 6,809.76 | 3,404.88 |
| North Adams | --- | 9,617.86 | 9,617.86 | 468.00 | 9,149.86 | 4,574.93 |
| Northbridge | --- | 9,276.35 | 9,276.35 | --- | 9,276.35 | 4,638.18 |
| North Brookfield | --- | 3,825.81 | 3,825.81 | 1,474.20 | 2,351.61 | 1,175.80 |
| Palmer | --- | 8,554.82 | 8,554.82 | --- | 8,554.82 | 4,277.41 |
| Pittsfield | 149.00 | 19,040.31 | 19,189.31 | 900.00 | 18,140.31 | 9,070.16 |
| Provincetown | --- | 2,568.11 | 2,568.11 | 200.00 | 2,368.11 | 1,184.06 |
| Salem | --- | 11,432.81 | 11,432.81 | --- | 11,432.81 | 5,716.41 |
| Saugus | 1,412.07 | 8,866.80 | 10,278.87 | 1,800.00 | 7,066.80 | 3,533.40 |
| Scituate | --- | 5,493.03 | 5,493.03 | --- | 5,493.03 | 2,746.52 |
| Silver Lake Regional | --- | 11,859.93 | 11,859.93 | 2,700.00 | 9,159.93 | 4,579.97 |
| Somerville | --- | 12,989.08 | 12,989.08 | --- | 12,989.08 | 6,494.54 |
| Tewksbury | --- | 3,400.50 | 3,400.50 | 2,000.00 | 1,400.50 | 700.25 |
| Wachusett Regional | 19.75 | 4,141.42 | 4,161.17 | 2,200.00 | 1,941.42 | 970.71 |
| Wareham | --- | 3,859.93 | 3,859.93 | --- | 3,859.93 | 1,929.97 |
| West Bridgewater | --- | 9,998.89 | 9,998.89 | --- | 9,998.89 | 4,999.45 |
| Westport | --- | 4,936.46 | 4,936.46 | --- | 4,936.46 | 2,468.23 |
| Winchendon | 51.64 | 11,635.67 | 11,687.31 | 5,455.00 | 6,180.67 | 3,090.34 |
| TOTAL | 1,651.88 | 306,398.85 | 308,050.73 | 43,445.56 | 262,953.29 | 131,476.72 |

GROUP III 3 - EVENING PRACTICAL ART SCHOOLS

| | | | | | | |
|-------------------------|-----|-----------|-----------|----------|-----------|-----------|
| Abington | --- | 1,542.37 | 1,542.37 | 80.00 | 1,462.37 | 731.19 |
| Agawam- | --- | 5,182.31 | 5,182.31 | 761.00 | 4,421.31 | 2,210.65 |
| Amherst-Pelham Regional | --- | 3,234.88 | 3,234.88 | 321.00 | 2,913.88 | 1,456.94 |
| Andover | --- | 3,198.35 | 3,198.35 | 72.00 | 3,126.35 | 1,563.18 |
| Apponequet Regional | --- | 2,110.75 | 2,110.75 | 1,611.10 | 499.65 | 249.83 |
| Arlington | --- | 21,878.57 | 21,878.57 | 539.80 | 21,338.77 | 10,669.39 |
| Athol | --- | 2,046.78 | 2,046.78 | --- | 2,046.78 | 1,023.39 |
| Auburn | --- | 4,984.30 | 4,984.30 | 703.00 | 4,281.30 | 2,140.65 |

GROUP III 3 (continued)

| | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
|---------------------------|--------|-----|-----------|-----------|----------|-----------|-----------|
| Barnstable | | --- | 1,710.60 | 1,710.60 | 45.00 | 1,665.60 | 832.80 |
| Bedford | | --- | 3,763.95 | 3,763.95 | 638.50 | 3,125.45 | 1,562.73 |
| Belchertown | | --- | 472.00 | 472.00 | 200.00 | 272.00 | 136.00 |
| Belmont | | --- | 5,468.40 | 5,468.40 | 584.00 | 4,884.40 | 2,442.20 |
| Beverly | 179.10 | | 5,085.19 | 5,264.29 | 887.40 | 4,197.79 | 2,098.90 |
| Billerica | | --- | 3,365.00 | 3,365.00 | 319.00 | 3,046.00 | 1,523.00 |
| Boston | | --- | 24,475.63 | 24,475.63 | --- | 24,475.63 | 12,237.82 |
| Bourne | | --- | 1,650.00 | 1,650.00 | 1,006.00 | 644.00 | 322.00 |
| Braintree | | --- | 3,986.81 | 3,986.81 | 651.00 | 3,335.81 | 1,667.92 |
| Bridgewater | | --- | 1,446.00 | 1,446.00 | 124.00 | 1,322.00 | 661.00 |
| Brockton | | --- | 8,704.54 | 8,704.54 | 679.00 | 8,025.54 | 4,012.77 |
| Brookline | 69.60 | | 36,465.92 | 36,535.52 | 4,527.75 | 31,938.17 | 15,969.09 |
| Burlington | | --- | 2,717.50 | 2,717.50 | --- | 2,717.50 | 1,358.75 |
| Cambridge | | --- | 5,527.92 | 5,527.92 | --- | 5,527.92 | 2,763.96 |
| Canton | | --- | 5,117.00 | 5,117.00 | 1,039.00 | 4,078.00 | 2,039.00 |
| Chatham | | --- | 1,673.84 | 1,673.84 | 675.50 | 998.34 | 499.17 |
| Chelmsford | | --- | 2,774.83 | 2,774.83 | 2,774.83 | --- | --- |
| Chicopee | | --- | 12,411.37 | 12,411.37 | 400.00 | 12,011.37 | 6,005.69 |
| Concord-Carlisle Regional | 357.12 | | 8,988.94 | 9,346.06 | 1,761.00 | 7,227.94 | 3,613.97 |
| Danvers | | --- | 3,340.00 | 3,340.00 | 2,525.00 | 815.00 | 407.50 |
| Dartmouth | | --- | 1,333.00 | 1,333.00 | --- | 1,333.00 | 666.50 |
| Dighton | | --- | 1,020.00 | 1,020.00 | 100.00 | 920.00 | 460.00 |
| Douglas | | --- | 585.00 | 585.00 | 585.00 | --- | --- |
| Duxbury | | --- | 1,204.62 | 1,204.62 | 54.00 | 1,150.62 | 575.31 |
| Easthampton | | --- | 1,797.50 | 1,797.50 | 170.50 | 1,627.00 | 813.50 |
| East Longmeadow | | --- | 2,840.90 | 2,840.90 | 596.00 | 2,244.90 | 1,122.45 |
| Easton | | --- | 2,501.48 | 2,501.48 | 685.00 | 1,816.48 | 908.24 |
| Essex | | --- | 782.93 | 782.93 | 241.20 | 541.73 | 270.87 |
| Essex County | | --- | 31,419.48 | 31,419.48 | --- | 31,419.48 | 15,709.74 |
| Everett | | --- | 4,267.50 | 4,267.50 | --- | 4,267.50 | 2,133.75 |
| Fall River | | --- | 5,043.00 | 5,043.00 | 621.80 | 4,421.20 | 2,210.60 |
| Falmouth | | --- | 1,690.00 | 1,690.00 | --- | 1,690.00 | 845.00 |
| Franklin | | --- | 2,670.73 | 2,670.73 | 280.00 | 2,390.73 | 1,195.37 |
| Frontier Regional | | --- | 1,379.00 | 1,379.00 | --- | 1,379.00 | 689.50 |
| Gardner | 199.50 | | 6,271.11 | 6,470.61 | 4,809.90 | 1,461.21 | 730.60 |
| Gloucester | 476.77 | | 5,387.30 | 5,864.07 | 178.00 | 5,209.30 | 2,604.65 |
| Greenfield | | --- | 3,998.05 | 3,998.05 | 984.00 | 3,014.05 | 1,507.03 |
| Hadley | | --- | 635.00 | 635.00 | 200.00 | 435.00 | 217.50 |
| Hanover | | --- | 1,865.00 | 1,865.00 | 444.00 | 1,421.00 | 710.50 |
| Harwich | | --- | 1,570.00 | 1,570.00 | 93.60 | 1,476.40 | 738.20 |
| Haverhill | | --- | 3,688.45 | 3,688.45 | 600.20 | 3,088.25 | 1,544.13 |
| Hingham | | --- | 2,336.50 | 2,336.50 | 227.00 | 2,109.50 | 1,054.75 |
| Holbrook | | --- | 2,286.00 | 2,286.00 | --- | 2,286.00 | 1,143.00 |
| Holyoke | | --- | 29,786.66 | 29,786.66 | 1,080.00 | 28,706.66 | 14,353.33 |
| Hudson | | --- | 2,159.00 | 2,159.00 | --- | 2,159.00 | 1,079.50 |
| Hull | | --- | 1,550.00 | 1,550.00 | --- | 1,550.00 | 775.00 |
| King Philip Regional | | --- | 2,475.00 | 2,475.00 | 1,049.00 | 1,426.00 | 713.00 |
| Lawrence | | --- | 24,306.79 | 24,306.79 | 2,267.03 | 22,039.76 | 11,019.88 |
| Lenox | | --- | 430.00 | 430.00 | --- | 430.00 | 215.00 |
| Leominster | | --- | 5,332.00 | 5,332.00 | 2,295.30 | 3,036.70 | 1,518.35 |
| Lexington | 282.30 | | 11,604.31 | 11,886.61 | 5,214.00 | 6,390.31 | 3,195.16 |
| Lowell | | --- | 8,966.26 | 8,966.26 | 1,163.75 | 7,802.51 | 3,901.26 |
| Lunenburg | | --- | 1,975.79 | 1,975.79 | 904.00 | 1,071.79 | 535.90 |
| Lynn | | --- | 14,291.77 | 14,291.77 | 1,650.75 | 12,641.02 | 6,320.51 |

GROUP III 3 (Continued)

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| | | | | | | |
|---------------------------|--------|-----------|-----------|-----------|-----------|-----------|
| Mahar, Ralph C., Regional | --- | 2,513.51 | 2,513.51 | 1,586.00 | 927.51 | 463.76 |
| Manchester | --- | 1,886.55 | 1,886.55 | 198.00 | 1,688.55 | 844.28 |
| Medford | 182.50 | 11,885.88 | 12,068.38 | 1,418.00 | 10,467.88 | 5,233.94 |
| Medway | --- | 1,722.50 | 1,722.50 | 79.00 | 1,643.50 | 821.75 |
| Melrose | --- | 4,732.10 | 4,732.10 | 770.00 | 3,962.10 | 1,981.05 |
| Methuen | --- | 4,542.09 | 4,542.09 | 151.00 | 4,391.09 | 2,195.55 |
| Middleboro | --- | 1,077.69 | 1,077.69 | 61.00 | 1,016.69 | 508.35 |
| Milford | --- | 3,542.86 | 3,542.86 | 620.00 | 2,922.86 | 1,461.43 |
| Millis | --- | 1,175.00 | 1,175.00 | 75.00 | 1,100.00 | 550.00 |
| Milton | --- | 3,735.47 | 3,735.47 | 167.00 | 3,568.47 | 1,784.24 |
| Montague | --- | 2,702.01 | 2,702.01 | 777.20 | 1,924.81 | 962.42 |
| Narragansett Regional | --- | 1,364.00 | 1,364.00 | 795.00 | 569.00 | 284.50 |
| New Bedford | --- | 17,498.47 | 17,498.47 | 3,432.50 | 14,065.97 | 7,032.99 |
| Newton | --- | 21,606.64 | 21,606.64 | 1,988.10 | 19,618.54 | 9,809.27 |
| North Adams | --- | 2,498.03 | 2,498.03 | 426.45 | 2,071.58 | 1,035.79 |
| Northampton | --- | 2,182.45 | 2,182.45 | 938.00 | 1,244.45 | 622.23 |
| North Attleboro | 33.15 | 2,849.29 | 2,882.44 | 227.40 | 2,621.89 | 1,310.95 |
| Northbridge | --- | 3,391.23 | 3,391.23 | 12.60 | 3,378.63 | 1,689.32 |
| North Reading | --- | 3,642.50 | 3,642.50 | 994.00 | 2,648.50 | 1,324.25 |
| Norwell | --- | 1,204.00 | 1,204.00 | 687.85 | 516.15 | 258.08 |
| Norwood | --- | 4,412.00 | 4,412.00 | 118.50 | 4,293.50 | 2,146.75 |
| Old Rochester Regional | --- | 1,526.75 | 1,526.75 | 433.10 | 1,093.65 | 546.83 |
| Palmer | --- | 2,088.48 | 2,088.48 | --- | 2,088.48 | 1,044.24 |
| Pioneer Valley Regional | --- | 1,190.00 | 1,190.00 | 225.00 | 965.00 | 482.50 |
| Pittsfield | --- | 7,106.66 | 7,106.66 | 1,568.30 | 5,538.36 | 2,769.18 |
| Plymouth | --- | 1,891.75 | 1,891.75 | 205.00 | 1,686.75 | 843.38 |
| Provincetown | --- | 660.00 | 660.00 | 400.00 | 260.00 | 130.00 |
| Quincy | --- | 19,240.23 | 19,240.23 | 794.00 | 18,446.23 | 9,223.12 |
| Randolph | --- | 3,236.00 | 3,236.00 | 400.00 | 2,836.00 | 1,418.00 |
| Reading | --- | 3,900.00 | 3,900.00 | 936.00 | 2,964.00 | 1,482.00 |
| Rehoboth | --- | 855.00 | 855.00 | 367.00 | 488.00 | 244.00 |
| Revere | --- | 2,392.30 | 2,392.30 | 300.00 | 2,092.30 | 1,046.15 |
| Rockland | --- | 2,427.23 | 2,427.23 | 106.00 | 2,321.23 | 1,160.62 |
| Salem | --- | 6,803.16 | 6,803.16 | 1,378.60 | 5,424.56 | 2,712.28 |
| Saugus | --- | 6,548.00 | 6,548.00 | 741.00 | 5,807.00 | 2,903.50 |
| Scituate | --- | 1,320.00 | 1,320.00 | 93.00 | 1,227.00 | 613.50 |
| Shelburne | --- | 948.50 | 948.50 | 624.80 | 323.70 | 161.85 |
| Silver Lake Regional | --- | 1,620.00 | 1,620.00 | 459.00 | 1,161.00 | 580.50 |
| Somerset | --- | 3,282.56 | 3,282.56 | 32.40 | 3,250.16 | 1,625.08 |
| Somerville | --- | 7,275.27 | 7,275.27 | 700.00 | 6,575.27 | 3,287.64 |
| Southbridge | --- | 2,212.73 | 2,212.73 | 157.50 | 2,055.23 | 1,027.62 |
| South Hadley | --- | 1,958.63 | 1,958.63 | --- | 1,958.63 | 979.32 |
| Spencer | --- | 873.40 | 873.40 | 632.15 | 241.25 | 120.63 |
| Springfield | --- | 65,248.73 | 65,248.73 | 13,172.75 | 52,075.98 | 26,037.99 |
| Stoughton | --- | 3,189.20 | 3,189.20 | 656.00 | 2,533.20 | 1,266.60 |
| Swampscott | --- | 2,440.00 | 2,440.00 | 619.00 | 1,821.00 | 910.50 |
| Swansea | --- | 2,024.60 | 2,024.60 | 102.60 | 1,922.00 | 961.00 |
| Taunton | --- | 4,015.28 | 4,015.28 | 401.40 | 3,613.88 | 1,806.94 |
| Tewksbury | --- | 3,939.23 | 3,939.23 | 248.20 | 3,691.03 | 1,845.52 |
| Truro | --- | 490.00 | 490.00 | --- | 490.00 | 245.00 |
| Wakefield | --- | 5,963.15 | 5,963.15 | 1,811.80 | 4,151.35 | 2,075.68 |
| Waltham | --- | 6,000.34 | 6,000.34 | --- | 6,000.34 | 3,000.17 |
| Ware | --- | 1,589.95 | 1,589.95 | 290.90 | 1,299.05 | 649.53 |
| Wareham | --- | 1,774.20 | 1,774.20 | 500.00 | 1,274.20 | 637.10 |
| Webster | --- | 1,102.50 | 1,102.50 | 114.00 | 988.50 | 494.25 |

| GROUP III 3 (continued) | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
|--|---|----------|--------------|--------------|------------|------------|------------|
| Wellesley | | --- | 10,581.44 | 10,581.44 | 5,259.00 | 5,322.44 | 2,661.22 |
| Westfield | | --- | 10,978.79 | 10,978.79 | 1,348.20 | 9,630.59 | 4,815.30 |
| Westport | | --- | 1,215.00 | 1,215.00 | --- | 1,215.00 | 607.50 |
| West Springfield | | --- | 3,454.57 | 3,454.57 | 1,449.00 | 2,005.57 | 1,002.79 |
| Westwood | | --- | 5,275.79 | 5,275.79 | 537.00 | 4,738.79 | 2,369.40 |
| Weymouth | | --- | 10,149.97 | 10,149.97 | --- | 10,149.97 | 5,074.99 |
| Whitman-Hanson Regional | | --- | 3,556.00 | 3,556.00 | 610.00 | 2,946.00 | 1,473.00 |
| Wilmington | | --- | 2,998.95 | 2,998.95 | 345.20 | 2,653.75 | 1,326.88 |
| Winchendon | | --- | 1,749.38 | 1,749.38 | 1,260.00 | 489.38 | 244.69 |
| Woburn | | --- | 6,931.00 | 6,931.00 | 432.00 | 6,499.00 | 3,249.50 |
| Worcester | | --- | 25,119.67 | 25,119.67 | 5,391.79 | 19,727.88 | 9,863.94 |
| Yarmouth | | --- | 5,045.35 | 5,045.35 | 105.00 | 4,940.35 | 2,470.18 |
| TOTAL | | 1,780.04 | 737,127.89 | 738,907.93 | 110,148.20 | 626,979.69 | 313,490.08 |
| GROUP IV 1a - DAY AGRICULTURAL SCHOOLS | | | | | | | |
| Bristol County | | --- | 345,143.54 | 345,143.54 | 61,711.04 | 283,432.50 | 141,716.25 |
| Essex County | | --- | 439,937.54 | 439,937.54 | 100,121.94 | 339,815.60 | 169,907.80 |
| New Salem | | 207.24 | 31,224.63 | 31,431.87 | 17,311.24 | 13,913.39 | 6,956.70 |
| Norfolk County | | --- | 369,235.37 | 369,235.37 | 68,308.32 | 300,927.05 | 150,463.53 |
| Northampton | | 2,065.83 | 38,382.13 | 40,447.96 | 24,215.67 | 14,166.46 | 7,083.23 |
| TOTAL | | 2,273.07 | 1,223,923.21 | 1,226,196.28 | 271,668.21 | 952,255.00 | 476,127.51 |
| GROUP IV 1a ¹ - AGRICULTURAL EXTENSION SERVICES | | | | | | | |
| Bristol County | | --- | 76,307.52 | 76,307.52 | 10,476.00 | 65,831.52 | 32,915.76 |
| Essex County | | --- | 87,514.44 | 87,514.44 | 9,480.11 | 78,034.33 | 39,017.17 |
| Norfolk County | | --- | 87,141.88 | 87,141.88 | 15,316.00 | 71,825.88 | 35,912.94 |
| TOTAL | | --- | 250,963.84 | 250,963.84 | 35,272.11 | 215,691.73 | 107,845.87 |
| GROUP IV 1b - DAY AGRICULTURAL DEPARTMENTS | | | | | | | |
| Barnstable | | --- | 6,830.23 | 6,830.23 | 1,175.00 | 5,655.23 | 2,939.83 |
| Boston | | 285.75 | 41,791.21 | 42,076.96 | 6,805.50 | 34,985.71 | 20,533.97 |
| Charlton | | --- | 7,060.57 | 7,060.57 | 1,641.00 | 5,419.57 | 2,570.70 |
| Frontier Regional | | 99.80 | 8,732.07 | 8,831.87 | 3,525.00 | 5,207.07 | 993.05 |
| Hadley | | --- | 5,045.60 | 5,045.60 | 1,591.00 | 3,454.60 | 1,621.62 |
| Narragansett Regional | | 246.62 | 15,490.00 | 15,736.62 | 7,809.76 | 7,680.24 | 6,595.12 |
| North Brookfield | | --- | 3,545.72 | 3,545.72 | 2,326.14 | 1,219.58 | 433.00 |
| Pioneer Valley Regional | | --- | 6,232.82 | 6,232.82 | 1,991.00 | 4,241.82 | 2,252.66 |
| Shelburne | | 600.00 | 7,019.79 | 7,619.79 | 5,290.00 | 1,729.79 | 3,375.16 |
| Silver Lake Regional | | 100.51 | 11,663.22 | 11,763.73 | 2,050.00 | 9,613.22 | 4,033.34 |
| Stockbridge | | --- | 8,300.15 | 8,300.15 | 4,915.88 | 3,384.27 | 3,372.66 |
| Wachusett Regional | | 68.33 | 20,558.74 | 20,627.07 | 3,249.00 | 17,309.74 | 10,137.80 |
| Westport | | --- | 8,104.67 | 8,104.67 | 1,900.00 | 6,204.67 | 3,723.67 |
| Worcester | | --- | 24,374.76 | 24,374.76 | 5,781.00 | 18,593.76 | 13,811.84 |
| TOTAL | | 1,401.01 | 174,749.55 | 176,150.56 | 50,050.28 | 124,699.27 | 76,394.42 |

GROUP IV 3 - EVENING AGRICULTURAL DEPARTMENTS

| 1 | 2 | 3 | 4 | 5 | 6 | 7 |
|-----------------------|-----|----------|----------|--------|----------|----------|
| Bristol County | --- | 547.50 | 547.50 | --- | 547.50 | 273.75 |
| Essex County | --- | 1,108.64 | 1,108.64 | --- | 1,108.64 | 554.32 |
| Frontier Regional | --- | 45.90 | 45.90 | 45.90 | --- | --- |
| Narragansett Regional | --- | 192.00 | 192.00 | 192.00 | --- | --- |
| Norfolk County | --- | 278.00 | 278.00 | --- | 278.00 | 139.00 |
| Northampton | --- | 242.50 | 242.50 | --- | 242.50 | 121.25 |
| Wachusett Regional | --- | 270.00 | 270.00 | 135.00 | 135.00 | 67.50 |
| Westport | --- | 216.00 | 216.00 | 216.00 | --- | --- |
| TOTAL | --- | 2,900.54 | 2,900.54 | 588.90 | 2,311.64 | 1,155.82 |

GROUP V 1a - PART-TIME COOPERATIVE DISTRIBUTIVE
OCCUPATIONS SCHOOLS

| | | | | | | |
|--------------|----------|------------|------------|-----------|------------|-----------|
| Beverly | --- | 7,400.00 | 7,400.00 | 3,370.00 | 4,030.00 | 2,015.00 |
| Boston | --- | 38,126.85 | 38,126.85 | 1,018.93 | 37,107.92 | 18,553.96 |
| Braintree | --- | 7,180.00 | 7,180.00 | 5,100.00 | 2,080.00 | 1,040.00 |
| Brockton | --- | 6,495.93 | 6,495.93 | --- | 6,495.93 | 3,247.97 |
| Chicopee | --- | 8,005.23 | 8,005.23 | --- | 8,005.23 | 4,002.62 |
| Essex County | --- | 15,327.40 | 15,327.40 | 7,823.72 | 7,503.68 | 3,751.84 |
| Fitchburg | --- | 5,777.74 | 5,777.74 | 1,000.00 | 4,777.74 | 2,388.87 |
| Lowell | --- | 7,893.49 | 7,893.49 | 1,900.00 | 5,993.49 | 2,996.75 |
| Malden | 2,640.00 | 6,883.38 | 9,523.38 | 5,800.00 | 1,083.38 | 541.69 |
| Medford | --- | 20,199.64 | 20,199.64 | 1,700.00 | 18,499.64 | 9,249.82 |
| Peabody | --- | 7,128.12 | 7,128.12 | 4,275.00 | 2,853.12 | 1,426.56 |
| Pittsfield | --- | 10,200.63 | 10,200.63 | 1,000.00 | 9,200.63 | 4,600.32 |
| Quincy | --- | 8,471.48 | 8,471.48 | 1,000.00 | 7,471.48 | 3,735.74 |
| Salem | --- | 8,389.07 | 8,389.07 | --- | 8,389.07 | 4,194.54 |
| Saugus | --- | 5,975.00 | 5,975.00 | 4,830.00 | 1,145.00 | 572.50 |
| Somerville | --- | 12,002.59 | 12,002.59 | --- | 12,002.59 | 6,001.29 |
| Weymouth | --- | 5,675.00 | 5,675.00 | 5,675.00 | --- | --- |
| TOTAL | 2,640.00 | 181,131.55 | 183,771.55 | 44,492.65 | 136,638.90 | 68,319.47 |

GROUP V 3 - EVENING DISTRIBUTIVE OCCUPATIONS
SCHOOLS

| | | | | | | |
|------------|------|-----------|-----------|--------|-----------|----------|
| Beverly | --- | 80.00 | 80.00 | 80.00 | --- | --- |
| Boston | --- | 10,983.48 | 10,983.48 | 378.00 | 10,605.48 | 5,302.74 |
| Lowell | --- | 60.00 | 60.00 | --- | 60.00 | 30.00 |
| Malden | --- | 52.50 | 52.50 | --- | 52.50 | 26.25 |
| Pittsfield | --- | 90.00 | 90.00 | --- | 90.00 | 45.00 |
| Quincy | --- | 100.00 | 100.00 | --- | 100.00 | 50.00 |
| Worcester | --- | 72.00 | 72.00 | 72.00 | --- | --- |
| TOTAL | ---- | 11,437.98 | 11,437.98 | 530.00 | 10,907.98 | 5,453.99 |

| GROUP VI 1 - DAY PRACTICAL NURSING SCHOOLS | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
|--|---|------------|------------|------------|------------|------------|------------|
| Boston | | --- | 24,494.97 | 24,494.97 | 360.00 | 24,134.97 | 12,067.48 |
| Essex County | | --- | 31,871.30 | 31,871.30 | 11,522.00 | 20,349.30 | 10,174.65 |
| Fall River | | --- | 17,717.86 | 17,717.86 | 10,497.00 | 7,220.86 | 3,610.43 |
| Lawrence | | --- | 22,983.32 | 22,983.32 | 4,531.61 | 18,451.71 | 9,225.86 |
| Lowell | | 6,627.31 | 15,140.58 | 21,767.89 | 1,815.00 | 13,325.58 | 6,662.79 |
| North Adams - McCann | | 6,000.00 | 32,089.94 | 38,089.94 | 23,285.00 | 8,804.94 | 4,402.47 |
| Northampton | | 48.75 | 18,024.68 | 18,073.43 | 9,755.00 | 8,269.68 | 4,134.84 |
| Norwood | | 415.00 | 20,827.96 | 21,242.96 | 9,590.00 | 11,237.96 | 5,618.98 |
| Pittsfield | | --- | 14,407.83 | 14,407.83 | 1,273.00 | 13,134.83 | 6,567.42 |
| Springfield | | 6,621.80 | 65,559.38 | 72,181.18 | 3,853.00 | 61,706.38 | 30,853.19 |
| Taunton | | 217.91 | 9,884.78 | 10,102.69 | 1,706.38 | 8,178.40 | 4,089.20 |
| Worcester | | 1,677.31 | 34,750.55 | 36,427.86 | 19,816.83 | 14,933.72 | 7,466.86 |
| TOTAL | | 21,608.08 | 307,753.15 | 329,361.23 | 98,004.82 | 209,748.33 | 104,874.17 |
| GROUP VI 2 - EVENING TRADE EXTENSION (WOMEN) - PRACTICAL NURSING | | | | | | | |
| Arlington | | --- | 237.50 | 237.50 | 237.50 | --- | --- |
| Essex County | | --- | 45.00 | 45.00 | --- | 45.00 | 22.50 |
| Fall River | | --- | 480.00 | 480.00 | --- | 480.00 | 240.00 |
| Fitchburg | | --- | 93.21 | 93.21 | 24.00 | 69.21 | 34.62 |
| Northampton | | --- | 240.00 | 240.00 | 240.00 | --- | --- |
| Norwood | | --- | 100.00 | 100.00 | 100.00 | --- | --- |
| Somerville | | 247.50 | 819.50 | 1,067.00 | 134.10 | 685.40 | 342.70 |
| Springfield | | 225.27 | 830.65 | 1,055.92 | 119.60 | 711.05 | 355.53 |
| Worcester | | --- | 1,222.60 | 1,222.60 | 625.50 | 597.10 | 298.55 |
| TOTAL | | 472.77 | 4,068.46 | 4,541.23 | 1,480.70 | 2,587.76 | 1,293.90 |
| GROUP VII 1 - DAY AREA VOCATIONAL SCHOOLS | | | | | | | |
| Arlington | | 6,684.44 | 23,508.44 | 30,192.88 | 820.00 | 22,688.44 | 11,344.22 |
| Fall River | | 649.20 | 9,533.09 | 10,182.29 | 800.00 | 8,733.09 | 4,366.55 |
| Leominster | | 5,340.50 | 17,393.55 | 22,734.05 | 3,221.30 | 14,172.25 | 7,086.13 |
| Lynn | | 12,694.02 | 31,645.54 | 44,339.56 | 1,380.00 | 30,265.54 | 15,132.77 |
| Marlboro | | 3,882.00 | 6,930.00 | 10,812.00 | 5,600.00 | 1,330.00 | 665.00 |
| Medford | | 15,998.31 | 12,790.14 | 28,788.45 | --- | 12,790.14 | 6,395.07 |
| New Bedford | | 14,431.97 | 22,134.45 | 36,566.42 | 9,414.03 | 12,720.42 | 6,360.21 |
| Newton | | --- | 13,758.61 | 13,758.61 | --- | 13,758.61 | 6,879.30 |
| Pittsfield | | 3,052.16 | 48,376.62 | 51,428.78 | 1,417.50 | 46,959.12 | 23,479.56 |
| Quincy | | 392.40 | 16,327.17 | 16,719.57 | 200.00 | 16,127.17 | 8,063.59 |
| South Shore | | 48,000.00 | 11,515.96 | 59,515.96 | 8,125.00 | 3,390.96 | 1,695.48 |
| Springfield | | 4,814.38 | 76,401.04 | 81,215.42 | 13,200.00 | 63,201.04 | 31,600.52 |
| Weymouth | | 33,215.80 | 13,727.54 | 46,943.34 | 75.00 | 13,652.54 | 6,826.27 |
| Worcester | | 36,415.64 | 85,904.85 | 122,320.49 | 66,652.17 | 19,252.68 | 9,626.34 |
| TOTAL | | 185,570.82 | 389,947.00 | 575,517.82 | 110,905.00 | 279,042.00 | 139,521.01 |

| GROUP VII 2 - EVENING AREA VOCATIONAL SCHOOLS | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
|---|----------|-----------|-----------|-----------|-----------|-----------|---|
| Framingham | --- | 5,677.86 | 5,677.86 | 2,995.70 | 2,682.16 | 1,341.08 | |
| Leominster | --- | 2,200.00 | 2,200.00 | 491.40 | 1,708.60 | 854.30 | |
| Lowell | 3,216.75 | 875.18 | 4,091.93 | --- | 875.18 | 437.59 | |
| Lynn | --- | 2,654.04 | 2,654.04 | 931.50 | 1,722.54 | 861.27 | |
| Medford | --- | 2,581.43 | 2,581.43 | 345.75 | 2,235.68 | 1,117.84 | |
| New Bedford | --- | 1,179.46 | 1,179.46 | 233.50 | 945.96 | 472.98 | |
| Pittsfield | --- | 2,065.00 | 2,065.00 | 3,180.81 | 1,115.81 | 557.90 | |
| Quincy | --- | 9,926.80 | 9,926.80 | 3,190.70 | 6,736.10 | 3,368.05 | |
| South Shore | --- | 744.00 | 744.00 | 405.00 | 339.00 | 169.50 | |
| Springfield | 137.10 | 2,713.18 | 2,850.28 | 1,889.80 | 823.38 | 411.69 | |
| Waltham | --- | 2,755.00 | 2,755.00 | 2,250.00 | 505.00 | 252.50 | |
| Worcester | --- | 3,393.60 | 3,393.60 | --- | 3,393.60 | 1,696.80 | |
| TOTAL | 3,353.85 | 36,765.55 | 40,119.40 | 15,914.16 | 20,851.39 | 10,425.70 | |

Table No. 3 - Consolidated Summary of Receipts and Expenditures by Schools

in Cities, Towns, Counties, and Regions - Vocational Education

School Year Ending June 30, 1963

| CITIES, TOWNS,
COUNTIES AND REGIONS | EXPENDITURES | | | | RECEIPTS | | | |
|--|-------------------------|-----------------------|--|--------------|----------------------------------|---|-----------------|--|
| | Capital
Expenditures | School
Maintenance | Tuition and
Transportation
(Paid to other
school districts) | Total | Income
Received by
schools | State Reimbursement
(Net Maintenance,
Tuition, and
Transportation)
(Table 3A) | Total
Income | Net Cost to
Towns, Cities,
Counties and
Regions |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| Abington - III 3 | ---- | 1,542.37 | 4,162.10 | 5,704.47 | 80.00 | 2,812.24 | 2,892.24 | 2,812.23 |
| Adams - III 1b | ---- | 5,608.05 | 899.04 | 6,507.09 | 82.55 | 3,212.27 | 3,294.82 | 3,212.27 |
| Agawam - III 3 | ---- | 5,182.31 | 14,355.92 | 19,538.23 | 761.00 | 9,388.62 | 10,149.62 | 9,388.61 |
| Amherst-Pelham Reg. - III 3 | ---- | 3,234.88 | ---- | 3,234.88 | 321.00 | 1,456.94 | 1,777.94 | 1,456.94 |
| Andover - III 3 | ---- | 3,198.35 | 2,647.28 | 5,845.63 | 72.00 | 2,886.82 | 2,958.82 | 2,886.81 |
| Apponequet Reg. - I 1a, 2c ¹ ,
III 1b, 3 | 59.39 | 58,414.86 | ---- | 58,474.25 | 27,332.21 | 15,541.34 | 42,873.55 | 15,600.70 |
| Arlington - I 1a, 2a, 2c ¹ ,
III 3, VI 2, VII 1 | 20,347.44 | 152,979.26 | 2,820.92 | 176,147.62 | 10,446.86 | 72,676.66 | 83,123.52 | 93,024.10 |
| Athol - III 3 | ---- | 2,046.78 | 13,554.95 | 15,601.73 | ---- | 7,800.86 | 7,800.86 | 7,800.87 |
| Attleboro - I 1a | 412.03 | 98,069.66 | 841.09 | 99,322.78 | 40,110.72 | 29,400.02 | 69,510.74 | 29,812.04 |
| Auburn - III 3 | ---- | 4,984.30 | 13,431.88 | 18,416.18 | 703.00 | 8,856.59 | 9,559.59 | 8,856.59 |
| Avon - I 1a | 420.45 | 18,201.39 | 1,578.40 | 20,200.24 | 1,094.05 | 9,342.87 | 10,436.92 | 9,763.32 |
| Barnstable - I 1a, 2c ¹ ,
III 1b, 3, IV 1b | 1,010.28 | 118,052.39 | 7.50 | 119,070.17 | 14,753.72 | 51,765.30 | 66,519.02 | 52,551.15 |
| Bedford - III 3 | ---- | 3,763.95 | 1,590.62 | 5,354.57 | 638.50 | 2,358.05 | 2,996.55 | 2,358.02 |
| Belchertown - III 1b, 3 | ---- | 4,609.20 | 16,388.88 | 20,998.08 | 200.00 | 10,637.60 | 10,837.60 | 10,160.48 |
| Belmont - I 1a, III 3 | 1,907.75 | 76,885.55 | 1,410.35 | 80,203.65 | 12,391.18 | 32,952.37 | 45,343.55 | 34,860.10 |
| Beverly - I 1a, 2a, 2c ¹ ,
III 1b, 3, V 1a, 3 | 2,540.10 | 150,959.29 | 509.45 | 154,008.84 | 23,810.86 | 63,828.95 | 87,639.81 | 66,369.03 |
| Billerica - III 3 | ---- | 3,365.00 | 7,998.02 | 11,363.02 | 319.00 | 5,522.01 | 5,841.01 | 5,522.01 |
| Boston - I 1a, 1b, 1b ¹ , 1c,
2a, 2c ¹ , 2d, III 3,
IV 1b, V 1a, 3, VI 1 | 19,980.82 | 2,065,725.47 | 5,702.24 | 2,091,408.53 | 171,283.15 | 953,113.39 | 1,124,396.54 | 967,011.99 |
| Bourne - III 1b, 3 | ---- | 11,251.96 | 8,598.67 | 19,850.63 | 1,256.00 | 9,297.32 | 10,553.32 | 9,297.31 |
| Braintree - III 3, V 1a | ---- | 11,166.81 | 13,145.85 | 24,312.66 | 5,751.00 | 9,280.84 | 15,031.84 | 9,280.82 |
| Bridgewater - III 3 | ---- | 1,446.00 | 5,471.38 | 6,917.38 | 124.00 | 3,396.69 | 3,520.69 | 3,396.69 |
| Bristol County - IV 1a, 3 | ---- | 421,998.56 | ---- | 421,998.56 | 72,187.04 | 174,905.76 | 247,092.80 | 174,905.76 |
| Brockton - I 1a, 2c ¹ , 2d
III 3, V 1a | 3,711.11 | 104,039.02 | 4,778.85 | 112,528.98 | 19,187.81 | 44,815.05 | 64,002.86 | 48,526.12 |
| Brookline - III 3 | 69.60 | 36,465.92 | 2,302.92 | 38,838.44 | 4,527.75 | 17,120.55 | 21,648.30 | 17,190.14 |
| Burlington - III 3 | ---- | 2,717.50 | 13,333.19 | 16,050.69 | ---- | 8,025.35 | 8,025.35 | 8,025.34 |
| Cambridge - I 1a, III 1a, 3 | ---- | 81,831.45 | 3,707.28 | 85,538.73 | 1,242.00 | 42,148.37 | 43,390.37 | 42,148.36 |
| Canton - III 3 | ---- | 5,117.00 | 5,159.16 | 10,276.16 | 1,039.00 | 4,618.58 | 5,657.58 | 4,618.58 |
| Charlton - III 1b, IV 1b | ---- | 11,098.12 | 1,888.77 | 12,986.89 | 1,641.00 | 5,533.87 | 7,174.87 | 5,812.02 |

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|---|------------|------------|-----------|------------|------------|------------|------------|------------|
| Chatham - III 3 | ---- | 1,673.84 | 4,464.31 | 6,138.15 | 675.50 | 2,731.32 | 3,406.82 | 2,731.33 |
| Chelmsford - III 3 | ---- | 2,774.83 | 5,104.85 | 7,879.68 | 2,774.83 | 2,552.42 | 5,327.25 | 2,552.43 |
| Chicopee - I la, 2c ¹ , III 3, V la | ---- | 177,577.33 | 13,165.17 | 190,742.50 | 11,346.33 | 89,698.11 | 101,044.44 | 89,698.06 |
| Concord-Carisle Reg. - III 3 | 357.12 | 8,988.94 | ---- | 9,346.06 | 1,761.00 | 3,613.97 | 5,374.97 | 3,971.09 |
| Danvers - III 3 | ---- | 3,340.00 | 3,111.22 | 6,451.22 | 2,525.00 | 1,963.11 | 4,488.11 | 1,963.11 |
| Dartmouth - I la, III lb, 3 | 1,147.86 | 29,567.18 | 10,957.89 | 41,672.93 | 275.50 | 20,124.79 | 20,400.29 | 21,272.64 |
| Dighton - III 3 | ---- | 1,020.00 | 865.10 | 1,885.10 | 100.00 | 892.55 | 992.55 | 892.55 |
| Dighton-Rehoboth Reg. - I la, 2c ¹ | ---- | 60,226.10 | ---- | 60,226.10 | 19,574.77 | 20,325.67 | 39,900.44 | 20,325.66 |
| Douglas - III 3 | ---- | 585.00 | 1,712.40 | 2,297.40 | 585.00 | 856.20 | 1,441.20 | 856.20 |
| Duxbury - III lb, 3 | ---- | 5,683.77 | 2,043.70 | 7,727.47 | 54.00 | 3,836.74 | 3,890.74 | 3,836.73 |
| Easthampton - III 3 | ---- | 1,797.50 | 36,372.12 | 38,169.62 | 170.50 | 19,150.81 | 19,321.31 | 18,848.31 |
| East Longmeadow - III 3 | ---- | 2,840.90 | 27,073.48 | 29,914.38 | 596.00 | 14,569.19 | 15,165.19 | 14,749.19 |
| Easton - III lb, 3 | ---- | 11,644.54 | 1,437.20 | 13,081.74 | 685.00 | 6,198.37 | 6,883.37 | 6,198.37 |
| Essex - III 3 | ---- | 782.93 | 4,589.44 | 5,372.37 | 241.20 | 2,565.59 | 2,806.79 | 2,565.58 |
| Essex County - I lb, III 3, IV la, 3, V la,
VI 1, 2 | ---- | 645,564.16 | ---- | 645,564.16 | 130,076.20 | 257,743.98 | 387,820.18 | 257,743.98 |
| Everett - I la, III la, 3 | 731.81 | 237,561.98 | 2,807.11 | 241,100.90 | 30,754.60 | 104,807.25 | 135,561.85 | 105,539.05 |
| Fall River - I la, lb, lb ¹ , 2c ¹ , III la,
lb, 3, VI 1, 2, VII 1 | 4,193.67 | 286,232.64 | 471.45 | 290,897.76 | 20,549.82 | 133,077.16 | 153,626.98 | 137,270.78 |
| Falmouth - III lb, 3 | ---- | 6,063.31 | 352.60 | 6,415.91 | 1,054.48 | 2,680.72 | 3,735.20 | 2,680.71 |
| Fitchburg - I la, la ¹ , 2a, 2d, V la, VI 2 | 669.24 | 92,509.15 | 7,310.43 | 100,488.82 | 6,745.99 | 46,536.83 | 53,282.82 | 47,206.00 |
| Foxboro - III lb | ---- | 10,954.82 | 7,313.87 | 18,268.69 | ---- | 9,134.34 | 9,134.34 | 9,134.35 |
| Framingham - I la, la ¹ , 2c ¹ , VII 2 | 2,270.82 | 104,349.79 | 3,163.85 | 109,784.46 | 19,403.92 | 44,054.87 | 63,458.79 | 46,325.67 |
| Franklin - III 3 | ---- | 2,670.73 | 4,661.08 | 7,331.81 | 280.00 | 3,525.91 | 3,805.91 | 3,525.90 |
| Frontier Reg. - III 3, IV lb, 3 | 99.80 | 10,155.97 | ---- | 10,255.77 | 3,570.90 | 1,682.55 | 5,253.45 | 5,002.32 |
| Gardner - III 3 | 199.50 | 6,271.11 | 11,039.97 | 17,510.58 | 4,809.90 | 6,250.58 | 11,060.48 | 6,450.10 |
| Gloucester - I la, III 3 | 3,947.01 | 108,627.96 | 1,284.05 | 113,859.02 | 4,841.60 | 52,535.21 | 57,376.81 | 56,482.21 |
| Greenfield - I la, 2c ¹ , III 3 | ---- | 108,291.98 | 1,886.30 | 110,178.28 | 55,720.99 | 27,228.66 | 82,949.65 | 27,228.63 |
| Hadley - III lb, 3, IV lb | ---- | 10,246.57 | 8,136.64 | 18,383.21 | 3,191.00 | 7,490.43 | 10,681.43 | 7,701.78 |
| Hanover - III 3 | ---- | 1,865.00 | 504.20 | 2,369.20 | 444.00 | 962.60 | 1,406.60 | 962.60 |
| Harwich - III 3 | ---- | 1,570.00 | 6,316.01 | 7,886.01 | 93.60 | 3,896.20 | 3,989.80 | 3,896.21 |
| Haverhill - I la, 2a, 2c ¹ , 2d, III lb, 3 | 7,228.87 | 388,760.78 | 2,808.40 | 398,798.05 | 104,136.09 | 143,716.55 | 247,852.64 | 150,945.41 |
| Hingham - III 3 | ---- | 2,336.50 | 9,672.53 | 12,009.03 | 227.00 | 5,891.02 | 6,118.02 | 5,891.01 |
| Holbrook - III 3 | ---- | 2,286.00 | 4,514.11 | 6,800.11 | ---- | 3,400.06 | 3,400.06 | 3,400.05 |
| Holyoke - I la, 2a, 2c ¹ , 2d, III 3 | 2,986.62 | 223,878.76 | 5,486.32 | 232,351.70 | 40,640.41 | 94,362.35 | 135,002.76 | 97,348.94 |
| Hudson - III lb, 3 | ---- | 6,938.00 | 6,040.41 | 12,978.41 | ---- | 6,489.20 | 6,489.20 | 6,489.21 |
| Hull - III 3 | ---- | 1,550.00 | 2,119.92 | 3,669.92 | ---- | 1,834.96 | 1,834.96 | 1,834.96 |
| King Philip Reg. - I la, 2c ¹ , 2d, III lb, 3 | 51.42 | 68,264.52 | ---- | 68,315.94 | 14,792.01 | 26,736.26 | 41,528.27 | 26,787.67 |
| Lawrence - I 2c ¹ , 2d, III 3, VI 1 | 81.67 | 63,449.81 | 16,187.99 | 79,719.47 | 10,177.76 | 34,730.03 | 44,907.79 | 34,811.68 |
| Lee - III lb | ---- | 4,963.06 | 551.14 | 5,514.20 | ---- | 2,757.10 | 2,757.10 | 2,757.10 |
| Lenox - III 3 | ---- | 430.00 | 362.58 | 792.58 | ---- | 396.29 | 396.29 | 396.29 |
| Leominster - I la, la ¹ , 2c ¹ , 2d, III 3
VII 1, 2 | 12,131.68 | 119,173.82 | 9,177.16 | 140,482.66 | 21,643.39 | 53,353.81 | 74,997.20 | 65,485.46 |
| Lexington - III 3 | 282.30 | 11,604.31 | 10,424.53 | 22,311.14 | 5,214.00 | 8,407.42 | 13,621.42 | 8,689.72 |
| Lowell - I la, 2c ¹ , 2d, III la, 3, V la,
3, VI 1, VII 2 | 14,451.04 | 313,168.12 | 4,039.92 | 331,659.08 | 33,345.10 | 141,931.49 | 175,276.59 | 156,382.49 |
| Lunenburg - III 3 | ---- | 1,975.79 | 4,922.66 | 6,898.45 | 904.00 | 2,997.23 | 3,901.23 | 2,997.22 |
| Lynn - I la, la ¹ , 2c ¹ , 2d, III 3, VII 1, 2 | 19,195.30 | 374,038.61 | 2,389.86 | 395,623.77 | 33,721.06 | 171,353.72 | 205,074.78 | 190,548.99 |
| Mahar, Ralph C. Reg. - III 3 | ---- | 2,513.51 | ---- | 2,513.51 | 1,586.00 | 463.76 | 2,049.76 | 463.75 |
| Malden - I la, 2c ¹ , 2d, V la, 3 | 2,707.76 | 99,977.15 | 10,454.21 | 113,139.12 | 11,800.05 | 49,315.65 | 61,115.70 | 52,023.42 |
| Manchester - III 3 | ---- | 1,886.55 | 666.28 | 2,552.83 | 198.00 | 1,177.42 | 1,375.42 | 1,177.41 |
| Marlboro - I la, 2c ¹ , 2d, VII 1 | 697,587.45 | 95,088.91 | 7,107.26 | 799,783.62 | 28,431.25 | 36,882.46 | 65,313.71 | 734,469.91 |
| Marshfield - III lb | ---- | 9,605.58 | 1,417.50 | 11,023.08 | ---- | 5,511.54 | 5,511.54 | 5,511.54 |
| Medford - I la, 2c ¹ , 2d, III 3, V la
VII 1, 2 | 21,840.73 | 257,097.32 | 1,784.75 | 280,722.80 | 40,776.17 | 109,052.96 | 149,829.13 | 130,893.67 |



| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|--|--------------|--------------|-----------|--------------|------------|------------|------------|--------------|
| Medway - III 3 | ---- | 1,722.50 | 1,697.50 | 3,420.00 | 79.00 | 1,670.50 | 1,749.50 | 1,670.50 |
| Melrose - III 3 | ---- | 4,732.10 | 13,158.81 | 17,890.91 | 770.00 | 8,560.45 | 9,330.45 | 8,560.46 |
| Methuen - III 3 | ---- | 4,542.09 | 16,274.79 | 20,816.88 | 151.00 | 10,332.95 | 10,483.95 | 10,332.93 |
| Middleboro - III 3 | ---- | 1,077.69 | 12,251.03 | 13,328.72 | 61.00 | 6,633.87 | 6,694.87 | 6,633.85 |
| Milford - III 3 | ---- | 3,542.86 | 7,621.40 | 11,164.26 | 620.00 | 5,272.13 | 5,892.13 | 5,272.13 |
| Millis - III 3 | ---- | 1,175.00 | 736.20 | 1,911.20 | 75.00 | 918.10 | 993.10 | 918.10 |
| Milton - III 3 | ---- | 3,735.47 | 5,685.59 | 9,421.06 | 167.00 | 4,627.04 | 4,794.04 | 4,627.02 |
| Montague - III 3 | ---- | 2,702.01 | 5,463.01 | 8,165.02 | 777.20 | 3,693.92 | 4,471.12 | 3,693.90 |
| Nantucket - I la | 81.44 | 27,514.57 | ---- | 27,596.01 | 3,324.51 | 12,095.03 | 15,419.54 | 12,176.47 |
| Narrangansett Reg. - III lb, 3, IV lb, 3 | 246.62 | 23,551.07 | ---- | 23,797.69 | 10,596.76 | 9,232.16 | 19,828.92 | 3,968.77 |
| New Bedford - I la, 2c ¹ , III la, 3, VII 1, 2 | 22,643.78 | 596,723.65 | 2,213.70 | 621,581.13 | 114,342.41 | 242,297.49 | 356,639.90 | 264,941.23 |
| Newburyport - III lb | ---- | 12,309.34 | 6,626.92 | 18,936.26 | 5,499.58 | 6,718.34 | 12,217.92 | 6,718.34 |
| New Salem - I la, III la, IV la | 560.12 | 79,062.06 | 1,083.25 | 80,705.43 | 54,098.35 | 13,023.50 | 67,121.85 | 13,583.58 |
| Newton - I la, 2a, 2c ¹ , 2d, III 3, VII 1, 2 | 34,883.03 | 313,292.52 | 1,841.78 | 350,017.33 | 54,686.54 | 130,223.88 | 184,910.42 | 165,106.91 |
| Norfolk County - IV la, 3 | ---- | 456,655.25 | ---- | 456,655.25 | 83,624.32 | 186,515.47 | 270,139.79 | 186,515.46 |
| North Adams - III lb, 3 | ---- | 12,115.89 | 274.25 | 12,390.14 | 894.45 | 5,747.85 | 6,642.30 | 5,747.84 |
| Northampton - I la, 2a, 2c ¹ , III la, 3, IV la, 3, VI 1, 2 | 17,244.22 | 305,965.38 | 8,996.27 | 332,205.87 | 115,927.91 | 99,516.90 | 215,444.81 | 116,761.06 |
| North Attleboro - III 3 | 33.15 | 2,849.29 | 7,834.10 | 10,716.54 | 227.40 | 5,228.00 | 5,455.40 | 5,261.14 |
| Northbridge - I la, lb ¹ , III lb, 3 | ---- | 25,313.00 | 8,759.96 | 34,072.96 | 1,790.92 | 16,141.03 | 17,931.95 | 16,141.01 |
| North Brookfield - III lb, IV lb | ---- | 6,871.53 | 5,252.90 | 12,124.43 | 3,800.34 | 4,637.25 | 8,437.59 | 3,686.84 |
| Northern Berkshire Reg. - I la, VI 1 | 1,456,750.09 | 273,320.53 | ---- | 1,730,070.62 | 109,870.09 | 81,725.22 | 191,595.31 | 1,538,475.31 |
| North Reading - III 3 | ---- | 3,642.50 | 5,806.15 | 9,448.65 | 994.00 | 4,227.32 | 5,221.32 | 4,227.33 |
| Norwell - III 3 | ---- | 1,204.00 | 729.60 | 1,933.60 | 687.85 | 622.88 | 1,310.73 | 622.87 |
| Norwood - I lb, III 3, VI 1, 2 | 12,412.36 | 129,346.70 | 3,898.10 | 145,657.16 | 47,678.34 | 42,783.23 | 90,461.57 | 55,195.59 |
| Old Rochester Reg. - III 3 | ---- | 1,526.75 | ---- | 1,526.75 | 433.10 | 546.83 | 979.93 | 546.82 |
| Palmer - III lb, 3 | ---- | 10,643.30 | 11,427.84 | 22,071.14 | ---- | 11,035.57 | 11,035.57 | 11,035.57 |
| Peabody - I la, V la | 949.55 | 74,174.56 | 2,721.09 | 77,845.20 | 8,931.58 | 33,982.03 | 42,913.61 | 34,931.59 |
| Pioneer Valley Reg. - III 3, IV lb | ---- | 7,422.82 | ---- | 7,422.82 | 2,216.00 | 2,735.16 | 4,951.16 | 2,471.66 |
| Pittsfield - I la, 2a, 2c ¹ , 2d, III lb, 3, V la, 3, VI 1, VII 1, 2 | 4,951.57 | 304,386.69 | 2,769.46 | 312,107.72 | 35,252.38 | 135,951.91 | 171,204.29 | 140,903.43 |
| Plymouth - III 3 | ---- | 1,891.75 | 6,306.21 | 8,197.96 | 205.00 | 3,996.48 | 4,201.48 | 3,996.48 |
| Provincetown - I la, III lb, 3 | 390.00 | 22,707.33 | ---- | 23,097.33 | 1,168.43 | 10,769.46 | 11,937.89 | 11,159.44 |
| Quincy - I la, 2c ¹ , 2d, III 3, V la, 3, VII 1, 2 | 7,847.89 | 276,681.09 | 10,406.57 | 294,935.55 | 30,337.98 | 128,424.85 | 158,762.83 | 136,172.72 |
| Randolph - I la, III 3 | 23.06 | 27,060.24 | 9,214.30 | 36,297.60 | 440.60 | 17,916.97 | 18,357.57 | 17,940.03 |
| Reading - III 3 | ---- | 3,900.00 | 7,819.62 | 11,719.62 | 936.00 | 5,391.81 | 6,327.81 | 5,391.81 |
| Rehoboth - III 3 | ---- | 855.00 | 807.16 | 1,662.16 | 367.00 | 647.58 | 1,014.58 | 647.58 |
| Revere - III 3 | ---- | 2,392.30 | 22,135.85 | 24,528.15 | 300.00 | 12,114.07 | 12,414.07 | 12,114.08 |
| Rockland - III 3 | ---- | 2,427.23 | 3,257.15 | 5,684.38 | 106.00 | 2,789.20 | 2,895.20 | 2,789.18 |
| Salem - I la, 2c ¹ , III lb, 3, V la | 583.08 | 120,236.72 | 1,945.93 | 122,765.73 | 2,309.82 | 59,936.43 | 62,246.25 | 60,519.48 |
| Saugus - III lb, 3, V la | 1,412.07 | 21,389.80 | 8,610.64 | 31,412.51 | 7,371.00 | 11,314.72 | 18,685.72 | 12,726.79 |
| Scituate - III lb, 3 | ---- | 6,813.03 | 1,211.94 | 8,024.97 | 93.00 | 3,965.99 | 4,058.99 | 3,965.98 |
| Shelburne - III 3, IV lb | 600.00 | 7,968.29 | 3,931.11 | 12,499.40 | 5,914.80 | 5,502.56 | 11,417.36 | 1,082.04 |
| Silver Lake Reg. - I la, III lb, 3, IV lb | 1,727.77 | 71,564.66 | ---- | 73,292.43 | 6,994.00 | 31,512.07 | 38,506.07 | 34,786.36 |
| Somerset - III 3 | ---- | 3,282.56 | 3,539.90 | 6,822.46 | 32.40 | 3,395.53 | 3,427.93 | 3,394.53 |
| Somerville - I la, 2c ¹ , III lb, 3, V la, VI 1, 2 | 4,306.15 | 224,725.30 | 6,543.60 | 235,575.05 | 12,105.38 | 109,581.76 | 121,687.14 | 113,887.91 |
| Southbridge - I la, 2a, 2c ¹ , III 3 | 1,238.47 | 119,097.47 | 4,848.15 | 125,184.09 | 10,256.61 | 56,844.51 | 67,101.12 | 58,082.97 |
| South Hadley - III 3 | ---- | 1,958.63 | 19,736.73 | 21,695.36 | ---- | 10,847.68 | 10,847.68 | 10,847.68 |
| South Shore - I la, 2c ¹ , VII 1, 2 | 1,259,184.00 | 200,244.65 | ---- | 1,459,428.65 | 62,032.92 | 69,105.87 | 131,138.79 | 1,328,289.86 |
| Spencer - III 3 | ---- | 873.40 | 19,164.04 | 20,037.44 | 632.15 | 9,702.65 | 10,334.80 | 9,702.64 |
| Springfield - I la, lb, lb ¹ , 2a, 2c ¹ , 2c ² , 2d, III la, 3, VI 1, 2, VII 1, 2 | 55,624.06 | 1,007,239.86 | ---- | 1,062,863.92 | 283,712.93 | 361,763.47 | 645,476.40 | 417,387.52 |
| Stockbridge - IV lb | ---- | 8,300.15 | 196.14 | 8,496.29 | 4,915.88 | 3,470.73 | 8,386.61 | 109.68 |
| Stoughton - III 3 | ---- | 3,189.20 | 9,949.60 | 13,138.80 | 656.00 | 6,290.00 | 6,946.00 | 6,192.80 |

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|--|--------------|---------------|--------------|---------------|--------------|--------------|--------------|---------------|
| Swampscott - III 3 | ---- | 2,440.00 | 2,386.91 | 4,826.91 | 619.00 | 2,103.95 | 2,722.95 | 2,103.96 |
| Swansea - I 1a, 2c ¹ , III 3 | ---- | 16,538.01 | 825.55 | 17,363.56 | 406.68 | 8,478.45 | 8,885.13 | 8,478.43 |
| Taunton - I 1a, 2c ¹ , 2d, III 3, VI 1 | 2,589.43 | 84,369.16 | 807.30 | 87,765.89 | 16,292.63 | 34,441.92 | 50,734.55 | 37,031.34 |
| Tewksbury - III 1b, 3 | ---- | 7,339.73 | 9,904.55 | 17,244.28 | 2,248.20 | 7,498.04 | 9,746.24 | 7,498.04 |
| Truro - III 3 | ---- | 490.00 | 475.00 | 965.00 | ---- | 482.50 | 482.50 | 482.50 |
| Wachusett Reg. - III 1b, IV 1b, 3 | 88.08 | 24,970.16 | ---- | 25,058.24 | 5,584.00 | 11,176.01 | 16,760.01 | 8,298.23 |
| Wakefield - III 3 | ---- | 5,963.11 | 9,976.33 | 15,939.44 | 1,811.80 | 7,063.85 | 8,875.65 | 7,063.79 |
| Waltham - I 1a, 1a ¹ , 2c ¹ , III 3, VII 2 | 6,551.94 | 219,577.26 | 2,293.87 | 228,423.07 | 34,792.98 | 93,539.08 | 128,332.06 | 100,091.01 |
| Ware - III 3 | ---- | 1,589.95 | 7,650.72 | 9,240.67 | 290.90 | 4,474.89 | 4,765.79 | 4,474.88 |
| Wareham - I 1a, III 1b, 3 | 131.62 | 24,729.37 | 638.70 | 25,499.69 | 1,562.80 | 11,902.64 | 13,465.44 | 12,034.25 |
| Webster - I 1a, 2c ¹ , III 3 | 785.92 | 65,303.95 | 10,141.18 | 76,231.05 | 10,372.84 | 32,536.15 | 42,908.99 | 33,322.06 |
| Wellesley - III 3 | ---- | 10,581.44 | 3,845.85 | 14,427.29 | 5,259.00 | 4,584.15 | 9,843.15 | 4,584.14 |
| West Bridgewater - III 1b | ---- | 9,998.89 | 5,639.49 | 15,638.38 | ---- | 7,819.19 | 7,819.19 | 7,819.19 |
| Westfield - I 1a, 1a ¹ , 2a, 2c ¹ , III 3 | 1,353.00 | 239,409.11 | 11,914.43 | 252,676.54 | 23,759.09 | 113,782.25 | 137,541.34 | 115,135.20 |
| Westport - III 1b, 3, IV 1b, 3 | ---- | 14,472.13 | 3,283.99 | 17,756.12 | 2,116.00 | 8,441.39 | 10,557.39 | 7,198.73 |
| West Springfield - III 3 | ---- | 3,454.57 | 25,216.05 | 28,670.62 | 1,449.00 | 13,610.82 | 15,059.82 | 13,610.80 |
| Westwood - III 3 | ---- | 5,275.79 | 2,463.48 | 7,739.27 | 537.00 | 3,601.14 | 4,138.14 | 3,601.13 |
| Weymouth - I 1a, 2c ¹ , 2d, III 3, V 1a, VII 1 | 945,765.32 | 233,060.42 | 8,934.46 | 1,187,760.20 | 44,449.55 | 98,782.67 | 143,212.22 | 1,044,547.98 |
| Whitman-Hanson Reg. - III 3 | ---- | 3,556.00 | ---- | 3,556.00 | 610.00 | 1,473.00 | 2,083.00 | 1,473.00 |
| Wilmington - III 3 | ---- | 2,998.95 | 6,392.85 | 9,391.80 | 345.20 | 4,523.30 | 4,868.50 | 4,523.30 |
| Winchendon - III 1b, 3 | 51.64 | 13,385.05 | 7,875.65 | 21,312.34 | 6,715.00 | 7,489.66 | 14,204.66 | 7,107.68 |
| Woburn - III 3 | ---- | 6,931.00 | 12,540.97 | 19,471.97 | 432.00 | 9,519.99 | 9,951.99 | 9,519.98 |
| Worcester - I 1a, 1b, 2c ¹ , 2d, III 1a, 3, IV 1b, V 3, VI 1, 2, VII 1, 2 | 45,292.58 | 1,136,814.24 | ---- | 1,182,106.82 | 329,395.72 | 408,224.29 | 737,620.01 | 444,486.81 |
| Yarmouth - III 3 | ---- | 5,045.35 | 3,359.30 | 8,404.65 | 105.00 | 4,149.83 | 4,254.83 | 4,149.82 |
| SUB-TOTAL | 4,728,922.65 | 14,418,593.95 | 821,871.65 | 19,969,388.25 | 2,659,448.64 | 6,305,822.25 | 8,965,270.89 | 11,004,117.36 |
| Cost to places paying tuition in and transportation for, but not maintaining these types of schools. | ---- | ---- | 1,040,133.15 | 1,040,133.15 | ---- | 523,417.33 | 523,417.33 | 516,715.82 |
| TOTAL - All Schools | 4,728,922.65 | 14,418,593.95 | 1,862,004.80 | 21,009,521.40 | 2,659,448.64 | 6,829,239.58 | 9,488,688.22 | 11,520,833.18 |
| State Administration Expenditures | ---- | 278,372.69 | ---- | 278,372.69 | 170,468.50 | ---- | 170,468.50 | 107,904.19 |
| TOTALS | 4,728,922.65 | 14,696,966.64 | 1,862,004.80 | 21,287,894.09 | 2,829,917.14 | 6,829,239.58 | 9,659,156.72 | 11,628,737.37 |

Table No. 3A - Tabulation of State Reimbursement for Vocational Education for Maintenance, Tuition, and Transportation for the School Year Ending June 30, 1963.

| City, Town,
County or
Region | Maintenance | Tuition | Trans-
portation | Total |
|------------------------------------|-------------|-----------|---------------------|------------|
| Abington | 731.19 | 1,768.30 | 312.75 | 2,812.24 |
| Acton | --- | 1,722.04 | 490.84 | 2,212.88 |
| Acushnet | --- | 20,167.13 | 7,000.00 | 27,167.13 |
| Adams | 2,762.75 | 383.12 | 66.40 | 3,212.27 |
| Agawam | 2,210.65 | 6,777.99 | 399.98 | 9,388.62 |
| Alford | --- | --- | --- | --- |
| Amesbury | --- | 8,446.05 | 1,867.22 | 10,313.27 |
| Amherst | --- | 2,682.10 | 493.05 | 3,175.15 |
| Amherst-Pelham Regional | 1,456.94 | --- | --- | 1,456.94 |
| Andover | 1,563.18 | 771.99 | 551.65 | 2,886.82 |
| Apponequet Regional | 15,541.34 | --- | --- | 15,541.34 |
| Arlington | 71,266.20 | 1,302.61 | 107.85 | 72,676.66 |
| Ashburnham | --- | 644.90 | 159.50 | 804.40 |
| Ashby | --- | 376.89 | 227.30 | 604.19 |
| Ashfield | --- | 2,968.50 | 1,028.00 | 3,996.50 |
| Ashland | --- | 1,545.70 | 301.50 | 1,847.20 |
| Athol | 1,023.39 | 4,041.02 | 2,736.45 | 7,800.86 |
| Attleboro | 28,979.47 | 337.93 | 82.62 | 29,400.02 |
| Auburn | 2,140.65 | 6,110.59 | 605.35 | 8,856.59 |
| Avon | 8,553.67 | 672.95 | 116.25 | 9,342.87 |
| Ayer | --- | 455.02 | 457.50 | 912.52 |
| Barnstable | 51,761.55 | 3.75 | --- | 51,765.30 |
| Barre | --- | 2,280.63 | 1,006.91 | 3,287.54 |
| Becket | --- | 94.00 | 206.00 | 300.00 |
| Bedford | 1,562.73 | 623.09 | 172.23 | 2,358.05 |
| Belchertown | 2,204.60 | 6,530.50 | 1,902.50 | 10,637.60 |
| Bellingham | --- | 234.00 | 79.25 | 313.25 |
| Belmont | 32,247.19 | 705.18 | --- | 32,952.37 |
| Berkley | --- | 3,058.77 | 633.76 | 3,692.53 |
| Berlin | --- | 1,193.45 | 1,247.00 | 2,440.45 |
| Bernardston | --- | 953.22 | 164.45 | 1,117.67 |
| Beverly | 63,574.22 | 254.73 | --- | 63,828.95 |
| Billerica | 1,523.00 | 3,222.51 | 776.50 | 5,522.01 |
| Blackstone | --- | 1,675.67 | 852.60 | 2,528.27 |
| Blandford | --- | 1,816.15 | 1,006.50 | 2,822.65 |
| Bolton | --- | 503.36 | 177.00 | 680.36 |
| Boston | 950,262.27 | 2,534.90 | 316.22 | 953,113.39 |
| Bourne | 4,997.98 | 2,501.00 | 1,798.34 | 9,297.32 |
| Boxboro | --- | 700.00 | 228.08 | 928.08 |
| Boxford | --- | 249.80 | 80.40 | 330.20 |
| Boylston | --- | 3,169.55 | 688.50 | 3,858.05 |
| Braintree | 2,707.92 | 5,786.52 | 786.40 | 9,280.84 |
| Brewster | --- | 494.55 | 89.60 | 584.15 |
| Bridgewater | 661.00 | 2,058.44 | 677.25 | 3,396.69 |
| Brimfield | --- | 745.78 | 100.00 | 845.78 |
| Bristol County | 174,905.76 | --- | --- | 174,905.76 |
| Brockton | 42,425.62 | 2,050.00 | 339.43 | 44,815.05 |

| State | Population | Area | Population | Area |
|----------------------|------------|---------|------------|---------|
| Alabama | 2,049,457 | 52,421 | 2,049,457 | 52,421 |
| Alaska | 191,338 | 376,869 | 191,338 | 376,869 |
| Arizona | 1,293,278 | 113,912 | 1,293,278 | 113,912 |
| Arkansas | 1,192,371 | 53,177 | 1,192,371 | 53,177 |
| California | 15,717,214 | 155,977 | 15,717,214 | 155,977 |
| Columbia | 1,045,355 | 32,819 | 1,045,355 | 32,819 |
| Connecticut | 2,049,457 | 5,543 | 2,049,457 | 5,543 |
| Delaware | 241,941 | 2,488 | 241,941 | 2,488 |
| District of Columbia | 241,941 | 68 | 241,941 | 68 |
| Florida | 1,913,338 | 55,561 | 1,913,338 | 55,561 |
| Georgia | 2,049,457 | 59,723 | 2,049,457 | 59,723 |
| Hawaii | 204,945 | 10,931 | 204,945 | 10,931 |
| Idaho | 1,192,371 | 83,743 | 1,192,371 | 83,743 |
| Illinois | 11,923,711 | 149,997 | 11,923,711 | 149,997 |
| Indiana | 4,192,371 | 36,422 | 4,192,371 | 36,422 |
| Iowa | 2,049,457 | 72,603 | 2,049,457 | 72,603 |
| Kansas | 2,049,457 | 82,278 | 2,049,457 | 82,278 |
| Kentucky | 2,049,457 | 40,361 | 2,049,457 | 40,361 |
| Louisiana | 2,049,457 | 52,421 | 2,049,457 | 52,421 |
| Maine | 1,192,371 | 33,081 | 1,192,371 | 33,081 |
| Maryland | 2,049,457 | 11,313 | 2,049,457 | 11,313 |
| Massachusetts | 2,049,457 | 8,013 | 2,049,457 | 8,013 |
| Michigan | 7,192,371 | 96,361 | 7,192,371 | 96,361 |
| Minnesota | 2,049,457 | 86,936 | 2,049,457 | 86,936 |
| Mississippi | 2,049,457 | 47,267 | 2,049,457 | 47,267 |
| Missouri | 2,049,457 | 69,331 | 2,049,457 | 69,331 |
| Montana | 1,192,371 | 147,040 | 1,192,371 | 147,040 |
| Nebraska | 2,049,457 | 77,344 | 2,049,457 | 77,344 |
| Nevada | 1,192,371 | 110,603 | 1,192,371 | 110,603 |
| New Hampshire | 1,192,371 | 9,349 | 1,192,371 | 9,349 |
| New Jersey | 7,192,371 | 14,341 | 7,192,371 | 14,341 |
| New Mexico | 1,192,371 | 121,412 | 1,192,371 | 121,412 |
| New York | 19,133,338 | 47,191 | 19,133,338 | 47,191 |
| North Carolina | 4,192,371 | 51,987 | 4,192,371 | 51,987 |
| North Dakota | 1,192,371 | 70,621 | 1,192,371 | 70,621 |
| Ohio | 7,192,371 | 44,826 | 7,192,371 | 44,826 |
| Oklahoma | 1,192,371 | 69,562 | 1,192,371 | 69,562 |
| Oregon | 1,192,371 | 98,381 | 1,192,371 | 98,381 |
| Pennsylvania | 11,923,711 | 46,054 | 11,923,711 | 46,054 |
| Rhode Island | 1,192,371 | 1,545 | 1,192,371 | 1,545 |
| South Carolina | 2,049,457 | 32,246 | 2,049,457 | 32,246 |
| South Dakota | 1,192,371 | 77,344 | 1,192,371 | 77,344 |
| Tennessee | 2,049,457 | 42,328 | 2,049,457 | 42,328 |
| Texas | 11,923,711 | 695,821 | 11,923,711 | 695,821 |
| Utah | 1,192,371 | 84,897 | 1,192,371 | 84,897 |
| Vermont | 1,192,371 | 9,613 | 1,192,371 | 9,613 |
| Virginia | 3,192,371 | 42,775 | 3,192,371 | 42,775 |
| Washington | 2,049,457 | 70,537 | 2,049,457 | 70,537 |
| West Virginia | 1,192,371 | 62,058 | 1,192,371 | 62,058 |
| Wisconsin | 5,192,371 | 65,498 | 5,192,371 | 65,498 |
| Wyoming | 1,192,371 | 97,813 | 1,192,371 | 97,813 |

| City, Town,
County or
Region | Maintenance | Tuition | Trans-
Portation | Total |
|------------------------------------|-------------|-----------|---------------------|------------|
| Brookfield | --- | 1,150.69 | 343.37 | 1,494.06 |
| Brookline | 15,969.09 | 1,114.33 | 37.13 | 17,120.55 |
| Buckland | --- | 1,653.10 | 158.50 | 1,811.60 |
| Burlington | 1,358.75 | 5,571.12 | 1,095.48 | 8,025.35 |
| Cambridge | 40,294.73 | 1,619.84 | 233.80 | 42,148.37 |
| Canton | 2,039.00 | 1,837.68 | 741.90 | 4,618.58 |
| Carlisle | --- | 28.05 | --- | 28.05 |
| Carver | --- | 3,983.72 | 3,142.50 | 7,126.22 |
| Charlemont | --- | 871.11 | 343.00 | 1,214.11 |
| Charlton | 4,589.48 | 833.44 | 110.95 | 5,533.87 |
| Chatham | 499.17 | 1,107.15 | 1,125.00 | 2,731.32 |
| Chelmsford | --- | 2,184.07 | 368.35 | 2,552.42 |
| Chelsea | --- | 9,427.98 | 492.80 | 9,920.78 |
| Cheshire | --- | 1,724.11 | 310.43 | 2,034.54 |
| Chester | --- | 1,102.67 | 1,386.75 | 2,489.42 |
| Chesterfield | --- | 2,270.25 | 1,475.00 | 3,745.25 |
| Chicopee | 83,115.52 | 6,409.14 | 173.45 | 89,698.11 |
| Chilmark | --- | --- | --- | --- |
| Clarksburg | --- | 36.06 | --- | 36.06 |
| Clinton | --- | 6,110.60 | 1,510.44 | 7,621.04 |
| Cohasset | --- | 301.50 | 88.50 | 390.00 |
| Colrain | --- | 1,558.22 | 425.33 | 1,983.55 |
| Concord | --- | 311.40 | 88.11 | 399.51 |
| Concord-Carlisle Regional | 3,613.97 | --- | --- | 3,613.97 |
| Conway | --- | 2,051.14 | 842.55 | 2,893.69 |
| Cummington | --- | 1,056.74 | 560.30 | 1,617.04 |
| Dalton | --- | 389.70 | 40.80 | 430.50 |
| Danvers | 407.50 | 1,470.39 | 85.22 | 1,963.11 |
| Dartmouth | 14,645.84 | 3,955.82 | 1,523.13 | 20,124.79 |
| Dedham | --- | 6,134.04 | 1,445.19 | 7,579.23 |
| Deerfield | --- | 2,233.19 | 1,082.50 | 3,315.69 |
| Dennis | --- | 383.40 | 452.50 | 835.90 |
| Dighton | 460.00 | 385.92 | 46.63 | 892.55 |
| Dighton-Rehoboth Regional | 20,325.67 | --- | --- | 20,325.67 |
| Douglas | --- | 725.70 | 130.50 | 856.20 |
| Dover | --- | 69.45 | --- | 69.45 |
| Dracut | --- | 1,982.86 | 160.15 | 2,143.01 |
| Dudley | --- | 7,649.13 | 901.53 | 8,550.66 |
| Dunstable | --- | 7.20 | --- | 7.20 |
| Duxbury | 2,814.89 | 881.05 | 140.80 | 3,836.74 |
| East Bridgewater | --- | 1,366.28 | 414.65 | 1,780.93 |
| East Brookfield | --- | 1,533.10 | 497.20 | 2,030.30 |
| Eastham | --- | 43.95 | 627.67 | 671.62 |
| Easthampton | 813.50 | 15,305.43 | 3,031.88 | 19,150.81 |
| East Longmeadow | 1,122.45 | 12,045.64 | 1,491.10 | 14,659.19 |
| Easton | 5,479.77 | 402.60 | 316.00 | 6,198.37 |
| Edgartown | --- | --- | --- | --- |
| Egremont | --- | 16.20 | --- | 16.20 |
| Erving | --- | 2,286.05 | 521.63 | 2,807.68 |
| Essex | 270.87 | 2,088.32 | 206.40 | 2,565.59 |
| Essex County | 257,743.98 | --- | --- | 257,743.98 |
| Everett | 103,403.70 | 1,339.15 | 64.40 | 104,807.25 |

| City | County | State | Population | Area | Year |
|--------|--------|-------|------------|------|------|
| Albany | Albany | NY | 17,000 | 1.0 | 1980 |
| Albany | Albany | NY | 17,000 | 1.0 | 1981 |
| Albany | Albany | NY | 17,000 | 1.0 | 1982 |
| Albany | Albany | NY | 17,000 | 1.0 | 1983 |
| Albany | Albany | NY | 17,000 | 1.0 | 1984 |
| Albany | Albany | NY | 17,000 | 1.0 | 1985 |
| Albany | Albany | NY | 17,000 | 1.0 | 1986 |
| Albany | Albany | NY | 17,000 | 1.0 | 1987 |
| Albany | Albany | NY | 17,000 | 1.0 | 1988 |
| Albany | Albany | NY | 17,000 | 1.0 | 1989 |
| Albany | Albany | NY | 17,000 | 1.0 | 1990 |
| Albany | Albany | NY | 17,000 | 1.0 | 1991 |
| Albany | Albany | NY | 17,000 | 1.0 | 1992 |
| Albany | Albany | NY | 17,000 | 1.0 | 1993 |
| Albany | Albany | NY | 17,000 | 1.0 | 1994 |
| Albany | Albany | NY | 17,000 | 1.0 | 1995 |
| Albany | Albany | NY | 17,000 | 1.0 | 1996 |
| Albany | Albany | NY | 17,000 | 1.0 | 1997 |
| Albany | Albany | NY | 17,000 | 1.0 | 1998 |
| Albany | Albany | NY | 17,000 | 1.0 | 1999 |
| Albany | Albany | NY | 17,000 | 1.0 | 2000 |
| Albany | Albany | NY | 17,000 | 1.0 | 2001 |
| Albany | Albany | NY | 17,000 | 1.0 | 2002 |
| Albany | Albany | NY | 17,000 | 1.0 | 2003 |
| Albany | Albany | NY | 17,000 | 1.0 | 2004 |
| Albany | Albany | NY | 17,000 | 1.0 | 2005 |
| Albany | Albany | NY | 17,000 | 1.0 | 2006 |
| Albany | Albany | NY | 17,000 | 1.0 | 2007 |
| Albany | Albany | NY | 17,000 | 1.0 | 2008 |
| Albany | Albany | NY | 17,000 | 1.0 | 2009 |
| Albany | Albany | NY | 17,000 | 1.0 | 2010 |
| Albany | Albany | NY | 17,000 | 1.0 | 2011 |
| Albany | Albany | NY | 17,000 | 1.0 | 2012 |
| Albany | Albany | NY | 17,000 | 1.0 | 2013 |
| Albany | Albany | NY | 17,000 | 1.0 | 2014 |
| Albany | Albany | NY | 17,000 | 1.0 | 2015 |
| Albany | Albany | NY | 17,000 | 1.0 | 2016 |
| Albany | Albany | NY | 17,000 | 1.0 | 2017 |
| Albany | Albany | NY | 17,000 | 1.0 | 2018 |
| Albany | Albany | NY | 17,000 | 1.0 | 2019 |
| Albany | Albany | NY | 17,000 | 1.0 | 2020 |

| City, Town,
County or
Region | Maintenance | Tuition | Trans-
portation | Total |
|------------------------------------|-------------|-----------|---------------------|------------|
| Fairhaven | --- | 11,013.42 | 677.75 | 11,691.17 |
| Fall River | 132,841.43 | 227.60 | 8.13 | 133,077.16 |
| Falmouth | 2,504.42 | 57.50 | 118.80 | 2,680.72 |
| Fitchburg | 42,881.61 | 2,586.69 | 1,068.53 | 46,536.83 |
| Florida | --- | 237.90 | --- | 237.90 |
| Foxboro | 5,477.41 | 2,788.25 | 868.68 | 9,134.34 |
| Framingham | 42,472.94 | 1,344.55 | 237.38 | 44,054.87 |
| Franklin | 1,195.37 | 2,072.19 | 258.35 | 3,525.91 |
| Freetown | --- | 468.42 | 719.12 | 1,187.54 |
| Frontier Regional | 1,682.55 | --- | --- | 1,682.55 |
| Gardner | 730.60 | 4,266.48 | 1,253.50 | 6,250.58 |
| Gay Head | --- | --- | --- | --- |
| Georgetown | --- | 2,334.11 | 455.68 | 2,789.79 |
| Gill | --- | 231.20 | 89.50 | 320.70 |
| Gloucester | 51,893.19 | 583.32 | 58.70 | 52,535.21 |
| Goshen | --- | 1,125.00 | 781.38 | 1,906.38 |
| Gosnold | --- | 189.74 | --- | 189.74 |
| Grafton | --- | 8,259.88 | 2,078.28 | 10,338.16 |
| Granby | --- | 3,162.60 | 423.38 | 3,585.98 |
| Granville | --- | 1,287.20 | 236.46 | 1,523.66 |
| Great Barrington | --- | 638.35 | 382.60 | 1,020.95 |
| Greenfield | 26,285.51 | 681.40 | 261.75 | 27,228.66 |
| Groton | --- | 454.42 | 152.22 | 606.64 |
| Groveland | --- | 1,868.83 | 90.03 | 1,958.86 |
| Hadley | 3,422.11 | 3,610.12 | 458.20 | 7,490.43 |
| Halifax | --- | 6.00 | --- | 6.00 |
| Hamilton | --- | 371.03 | 37.50 | 408.53 |
| Hampden | --- | 3,074.79 | 263.90 | 3,338.69 |
| Hancock | --- | 26.00 | --- | 26.00 |
| Hanover | 710.50 | 164.60 | 87.50 | 962.60 |
| Hanson | --- | 1,211.18 | 571.86 | 1,783.04 |
| Hardwick | --- | 1,788.90 | 1,913.00 | 3,701.90 |
| Harvard | --- | 457.78 | 176.50 | 634.28 |
| Harwich | 738.20 | 2,033.00 | 1,125.00 | 3,896.20 |
| Hatfield | --- | 3,226.12 | 640.50 | 3,866.62 |
| Haverhill | 142,312.35 | 714.71 | 689.49 | 143,716.55 |
| Hawley | --- | 440.15 | 312.62 | 752.77 |
| Heath | --- | 305.00 | 427.00 | 732.00 |
| Hingham | 1,054.75 | 3,508.35 | 1,327.92 | 5,891.02 |
| Hinsdale | --- | 883.80 | 397.60 | 1,281.40 |
| Holbrook | 1,143.00 | 2,196.88 | 60.18 | 3,400.06 |
| Holden | --- | 2,434.07 | 292.65 | 2,726.72 |
| Holland | --- | 761.35 | 159.00 | 920.35 |
| Holliston | --- | 731.70 | 83.63 | 815.33 |
| Holyoke | 91,619.19 | 2,454.01 | 289.15 | 94,362.35 |
| Hopedale | --- | 695.10 | 104.65 | 799.75 |
| Hopkinton | --- | 1,931.68 | 506.70 | 2,438.38 |
| Hubbardston | --- | 1,263.81 | 2,082.30 | 3,346.11 |
| Hudson | 3,469.00 | 2,555.80 | 464.40 | 6,489.20 |
| Hull | 775.00 | 873.96 | 186.00 | 1,834.96 |
| Huntington | --- | 3,614.94 | 2,320.32 | 5,935.26 |
| Ipswich | --- | 1,576.72 | 157.25 | 1,733.97 |

| Station | Distance | Time | Speed | Altitude |
|---------|----------|---------|---------|----------|
| 1 | 1.000 | 1.000 | 1.000 | 1.000 |
| 2 | 2.000 | 2.000 | 2.000 | 2.000 |
| 3 | 3.000 | 3.000 | 3.000 | 3.000 |
| 4 | 4.000 | 4.000 | 4.000 | 4.000 |
| 5 | 5.000 | 5.000 | 5.000 | 5.000 |
| 6 | 6.000 | 6.000 | 6.000 | 6.000 |
| 7 | 7.000 | 7.000 | 7.000 | 7.000 |
| 8 | 8.000 | 8.000 | 8.000 | 8.000 |
| 9 | 9.000 | 9.000 | 9.000 | 9.000 |
| 10 | 10.000 | 10.000 | 10.000 | 10.000 |
| 11 | 11.000 | 11.000 | 11.000 | 11.000 |
| 12 | 12.000 | 12.000 | 12.000 | 12.000 |
| 13 | 13.000 | 13.000 | 13.000 | 13.000 |
| 14 | 14.000 | 14.000 | 14.000 | 14.000 |
| 15 | 15.000 | 15.000 | 15.000 | 15.000 |
| 16 | 16.000 | 16.000 | 16.000 | 16.000 |
| 17 | 17.000 | 17.000 | 17.000 | 17.000 |
| 18 | 18.000 | 18.000 | 18.000 | 18.000 |
| 19 | 19.000 | 19.000 | 19.000 | 19.000 |
| 20 | 20.000 | 20.000 | 20.000 | 20.000 |
| 21 | 21.000 | 21.000 | 21.000 | 21.000 |
| 22 | 22.000 | 22.000 | 22.000 | 22.000 |
| 23 | 23.000 | 23.000 | 23.000 | 23.000 |
| 24 | 24.000 | 24.000 | 24.000 | 24.000 |
| 25 | 25.000 | 25.000 | 25.000 | 25.000 |
| 26 | 26.000 | 26.000 | 26.000 | 26.000 |
| 27 | 27.000 | 27.000 | 27.000 | 27.000 |
| 28 | 28.000 | 28.000 | 28.000 | 28.000 |
| 29 | 29.000 | 29.000 | 29.000 | 29.000 |
| 30 | 30.000 | 30.000 | 30.000 | 30.000 |
| 31 | 31.000 | 31.000 | 31.000 | 31.000 |
| 32 | 32.000 | 32.000 | 32.000 | 32.000 |
| 33 | 33.000 | 33.000 | 33.000 | 33.000 |
| 34 | 34.000 | 34.000 | 34.000 | 34.000 |
| 35 | 35.000 | 35.000 | 35.000 | 35.000 |
| 36 | 36.000 | 36.000 | 36.000 | 36.000 |
| 37 | 37.000 | 37.000 | 37.000 | 37.000 |
| 38 | 38.000 | 38.000 | 38.000 | 38.000 |
| 39 | 39.000 | 39.000 | 39.000 | 39.000 |
| 40 | 40.000 | 40.000 | 40.000 | 40.000 |
| 41 | 41.000 | 41.000 | 41.000 | 41.000 |
| 42 | 42.000 | 42.000 | 42.000 | 42.000 |
| 43 | 43.000 | 43.000 | 43.000 | 43.000 |
| 44 | 44.000 | 44.000 | 44.000 | 44.000 |
| 45 | 45.000 | 45.000 | 45.000 | 45.000 |
| 46 | 46.000 | 46.000 | 46.000 | 46.000 |
| 47 | 47.000 | 47.000 | 47.000 | 47.000 |
| 48 | 48.000 | 48.000 | 48.000 | 48.000 |
| 49 | 49.000 | 49.000 | 49.000 | 49.000 |
| 50 | 50.000 | 50.000 | 50.000 | 50.000 |
| 51 | 51.000 | 51.000 | 51.000 | 51.000 |
| 52 | 52.000 | 52.000 | 52.000 | 52.000 |
| 53 | 53.000 | 53.000 | 53.000 | 53.000 |
| 54 | 54.000 | 54.000 | 54.000 | 54.000 |
| 55 | 55.000 | 55.000 | 55.000 | 55.000 |
| 56 | 56.000 | 56.000 | 56.000 | 56.000 |
| 57 | 57.000 | 57.000 | 57.000 | 57.000 |
| 58 | 58.000 | 58.000 | 58.000 | 58.000 |
| 59 | 59.000 | 59.000 | 59.000 | 59.000 |
| 60 | 60.000 | 60.000 | 60.000 | 60.000 |
| 61 | 61.000 | 61.000 | 61.000 | 61.000 |
| 62 | 62.000 | 62.000 | 62.000 | 62.000 |
| 63 | 63.000 | 63.000 | 63.000 | 63.000 |
| 64 | 64.000 | 64.000 | 64.000 | 64.000 |
| 65 | 65.000 | 65.000 | 65.000 | 65.000 |
| 66 | 66.000 | 66.000 | 66.000 | 66.000 |
| 67 | 67.000 | 67.000 | 67.000 | 67.000 |
| 68 | 68.000 | 68.000 | 68.000 | 68.000 |
| 69 | 69.000 | 69.000 | 69.000 | 69.000 |
| 70 | 70.000 | 70.000 | 70.000 | 70.000 |
| 71 | 71.000 | 71.000 | 71.000 | 71.000 |
| 72 | 72.000 | 72.000 | 72.000 | 72.000 |
| 73 | 73.000 | 73.000 | 73.000 | 73.000 |
| 74 | 74.000 | 74.000 | 74.000 | 74.000 |
| 75 | 75.000 | 75.000 | 75.000 | 75.000 |
| 76 | 76.000 | 76.000 | 76.000 | 76.000 |
| 77 | 77.000 | 77.000 | 77.000 | 77.000 |
| 78 | 78.000 | 78.000 | 78.000 | 78.000 |
| 79 | 79.000 | 79.000 | 79.000 | 79.000 |
| 80 | 80.000 | 80.000 | 80.000 | 80.000 |
| 81 | 81.000 | 81.000 | 81.000 | 81.000 |
| 82 | 82.000 | 82.000 | 82.000 | 82.000 |
| 83 | 83.000 | 83.000 | 83.000 | 83.000 |
| 84 | 84.000 | 84.000 | 84.000 | 84.000 |
| 85 | 85.000 | 85.000 | 85.000 | 85.000 |
| 86 | 86.000 | 86.000 | 86.000 | 86.000 |
| 87 | 87.000 | 87.000 | 87.000 | 87.000 |
| 88 | 88.000 | 88.000 | 88.000 | 88.000 |
| 89 | 89.000 | 89.000 | 89.000 | 89.000 |
| 90 | 90.000 | 90.000 | 90.000 | 90.000 |
| 91 | 91.000 | 91.000 | 91.000 | 91.000 |
| 92 | 92.000 | 92.000 | 92.000 | 92.000 |
| 93 | 93.000 | 93.000 | 93.000 | 93.000 |
| 94 | 94.000 | 94.000 | 94.000 | 94.000 |
| 95 | 95.000 | 95.000 | 95.000 | 95.000 |
| 96 | 96.000 | 96.000 | 96.000 | 96.000 |
| 97 | 97.000 | 97.000 | 97.000 | 97.000 |
| 98 | 98.000 | 98.000 | 98.000 | 98.000 |
| 99 | 99.000 | 99.000 | 99.000 | 99.000 |
| 100 | 100.000 | 100.000 | 100.000 | 100.000 |

| City, Town,
County or
Region | Maintenance | Tuition | Trans-
portation | Total |
|------------------------------------|-------------|-----------|---------------------|------------|
| King Philip Regional | 26,736.26 | --- | --- | 26,736.26 |
| Kingston | --- | 31.00 | --- | 31.00 |
| Lakeville | --- | 587.85 | 113.50 | 701.35 |
| Lancaster | --- | 2,036.20 | 1,497.80 | 3,534.00 |
| Lanesboro | --- | 2,463.00 | 245.10 | 2,708.10 |
| Lawrence | 26,636.03 | 6,816.87 | 1,277.13 | 34,730.03 |
| Lee | 2,481.53 | 210.25 | 65.32 | 2,757.10 |
| Leicester | --- | 5,129.08 | 517.45 | 5,646.53 |
| Lenox | 215.00 | 100.60 | 80.69 | 396.29 |
| Leominster | 48,765.23 | 3,139.58 | 1,449.00 | 53,353.81 |
| Leverett | --- | 1,794.90 | 1,122.50 | 2,917.40 |
| Lexington | 3,195.16 | 4,255.76 | 956.50 | 8,407.42 |
| Leyden | --- | 200.00 | 62.50 | 262.50 |
| Lincoln | --- | 80.00 | --- | 80.00 |
| Littleton | --- | 254.50 | 79.52 | 334.02 |
| Longmeadow | --- | 2,781.55 | 607.30 | 3,388.85 |
| Lowell | 139,911.53 | 1,108.16 | 911.80 | 141,931.49 |
| Ludlow | --- | 18,560.40 | 2,462.13 | 21,022.53 |
| Lunenburg | 535.90 | 1,647.17 | 814.16 | 2,997.23 |
| Lynn | 170,158.79 | 1,036.43 | 158.50 | 171,353.72 |
| Lynnfield | --- | 671.02 | 188.56 | 859.58 |
| Mahar, Ralph C., Regional | 463.76 | --- | --- | 463.76 |
| Malden | 44,088.55 | 5,094.75 | 132.35 | 49,315.65 |
| Manchester | 844.28 | 294.75 | 38.39 | 1,177.42 |
| Mansfield | --- | 2,273.61 | 548.44 | 2,822.05 |
| Marblehead | --- | 1,034.88 | 60.60 | 1,095.48 |
| Marion | --- | 2,167.35 | 1,022.00 | 3,189.35 |
| Marlboro | 33,328.83 | 2,452.08 | 1,101.55 | 36,882.46 |
| Marshfield | 4,802.79 | 533.75 | 175.00 | 5,511.54 |
| Mashpee | --- | 527.24 | --- | 527.24 |
| Mattapoisett | --- | 1,801.36 | 488.58 | 2,289.94 |
| Maynard | --- | 1,299.05 | 411.75 | 1,710.80 |
| Medfield | --- | 952.30 | 335.93 | 1,288.23 |
| Medford | 108,160.58 | 878.28 | 14.10 | 109,052.96 |
| Medway | 821.75 | 668.25 | 180.50 | 1,670.50 |
| Melrose | 1,981.05 | 6,149.20 | 430.20 | 8,560.45 |
| Mendon | --- | 711.17 | 326.63 | 1,037.80 |
| Merrimac | --- | 2,287.20 | 284.73 | 2,571.93 |
| Methuen | 2,195.55 | 6,254.37 | 1,883.03 | 10,332.95 |
| Middleboro | 508.35 | 3,887.96 | 2,237.56 | 6,633.87 |
| Middlefield | --- | --- | --- | --- |
| Middleton | --- | 29.10 | --- | 29.10 |
| Milford | 1,461.43 | 2,925.85 | 884.85 | 5,272.13 |
| Millbury | --- | 9,922.78 | 1,229.69 | 11,152.47 |
| Millis | 550.00 | 329.35 | 38.75 | 918.10 |
| Millville | --- | 976.15 | 409.75 | 1,385.90 |
| Milton | 1,784.24 | 2,648.97 | 193.83 | 4,627.04 |
| Monroe | --- | --- | --- | --- |
| Monson | --- | 3,650.68 | 1,000.00 | 4,650.68 |
| Montague | 962.42 | 1,986.25 | 745.25 | 3,693.92 |
| Monterey | --- | --- | --- | --- |
| Montgomery | --- | 1,149.00 | 960.00 | 2,109.00 |
| Nahant | --- | 902.70 | 55.13 | 957.83 |
| Nantucket | 12,095.03 | --- | --- | 12,095.03 |

City, Town,
County or
Region

Maintenance

Tuition

Trans-
portation

Total

| | | | | |
|-----------------------------|------------|----------|----------|------------|
| Narragansett Regional | 9,232.16 | --- | --- | 9,232.16 |
| Natick | --- | 4,009.00 | 677.97 | 4,686.97 |
| Needham | --- | 6,385.79 | 1,385.90 | 7,771.69 |
| New Ashford | --- | --- | --- | --- |
| New Bedford | 241,190.64 | 453.20 | 653.65 | 242,297.49 |
| New Braintree | --- | 556.82 | 136.80 | 693.62 |
| Newbury | --- | 1,921.38 | 351.95 | 2,273.33 |
| Newburyport | 3,404.88 | 2,539.46 | 774.00 | 6,718.34 |
| New Marlboro | --- | --- | --- | --- |
| New Salem | 12,481.87 | 200.00 | 341.63 | 13,023.50 |
| Newton | 129,302.99 | 772.99 | 147.90 | 130,223.88 |
| Norfolk | --- | 603.23 | 88.00 | 691.23 |
| Norfolk County | 186,515.47 | --- | --- | 186,515.47 |
| North Adams | 5,610.72 | 137.13 | --- | 5,747.85 |
| Northampton | 95,018.75 | 3,506.93 | 991.22 | 99,516.90 |
| North Andover | --- | 1,219.59 | 381.85 | 1,601.44 |
| North Attleboro | 1,310.95 | 2,640.88 | 1,276.17 | 5,228.00 |
| Northboro | --- | 2,913.72 | 696.13 | 3,609.85 |
| Northbridge | 11,761.05 | 3,252.48 | 1,127.50 | 16,141.03 |
| North Brookfield | 1,608.80 | 1,730.45 | 1,298.00 | 4,637.25 |
| Northern Berkshire Regional | 81,725.22 | --- | --- | 81,725.22 |
| Northfield | --- | 424.60 | 156.50 | 581.10 |
| North Reading | 1,324.25 | 2,580.57 | 322.50 | 4,227.32 |
| Norton | --- | 2,325.69 | 458.70 | 2,784.39 |
| Norwell | 258.08 | 250.80 | 114.00 | 622.88 |
| Norwood | 40,834.18 | 1,594.65 | 354.40 | 42,783.23 |
| Oak Bluffs | --- | --- | --- | --- |
| Oakham | --- | 539.63 | 242.90 | 782.53 |
| Old Rochester Regional | 546.83 | --- | --- | 546.83 |
| Orange | --- | 9,847.25 | 4,453.75 | 14,301.00 |
| Orleans | --- | 410.62 | 653.33 | 1,063.95 |
| Otis | --- | 17.60 | --- | 17.60 |
| Oxford | --- | 4,074.25 | 1,161.73 | 5,235.98 |
| Palmer | 5,321.65 | 4,513.92 | 1,200.00 | 11,035.57 |
| Paxton | --- | 908.67 | 297.00 | 1,205.67 |
| Peabody | 32,621.49 | 1,317.04 | 43.50 | 33,982.03 |
| Pelham | --- | 795.42 | 229.50 | 1,024.92 |
| Pembroke | --- | 549.60 | --- | 549.60 |
| Pepperell | --- | 9.37 | --- | 9.37 |
| Peru | --- | 106.88 | 35.50 | 142.38 |
| Petersham | --- | 1,605.08 | 1,694.00 | 3,299.08 |
| Phillipston | --- | 228.60 | 145.50 | 374.10 |
| Pioneer Valley Regional | 2,735.16 | --- | --- | 2,735.16 |
| Pittsfield | 134,567.18 | 1,384.73 | --- | 135,951.91 |
| Plainfield | --- | 128.52 | 71.73 | 200.25 |
| Plainville | --- | 605.25 | 159.50 | 764.75 |
| Plymouth | 843.38 | 2,273.64 | 879.46 | 3,996.48 |
| Plympton | --- | --- | --- | --- |
| Princeton | --- | 409.82 | 136.50 | 546.32 |
| Provincetown | 10,769.46 | --- | --- | 10,769.46 |
| Quincy | 123,221.57 | 4,000.78 | 1,202.50 | 128,424.85 |

| City, Town,
County or
Region | Maintenance | Tuition | Trans-
portation | Total |
|------------------------------------|-------------|-----------|---------------------|------------|
| Randolph | 13,309.82 | 3,813.15 | 794.00 | 17,916.97 |
| Raynham | --- | 1,995.56 | 341.26 | 2,336.82 |
| Reading | 1,482.00 | 3,223.56 | 686.25 | 5,391.81 |
| Rehoboth | 244.00 | 301.58 | 102.00 | 647.58 |
| Revere | 1,046.15 | 10,577.47 | 490.45 | 12,114.07 |
| Richmond | --- | 2,669.00 | --- | 2,669.00 |
| Rochester | --- | 2,816.92 | 3,508.14 | 6,325.06 |
| Rockland | 1,160.62 | 1,032.25 | 596.33 | 2,789.20 |
| Rockport | --- | 793.10 | 248.95 | 1,042.05 |
| Rowe | --- | 28.20 | --- | 28.20 |
| Rowley | --- | 3,197.80 | 1,590.92 | 4,788.72 |
| Royalston | --- | 1,342.90 | 274.50 | 1,617.40 |
| Russell | --- | 2,638.83 | 1,006.50 | 3,645.33 |
| Rutland | --- | 2,205.98 | 989.50 | 3,195.48 |
| Salem | 58,963.47 | 807.02 | 165.94 | 59,936.43 |
| Salisbury | --- | 2,426.54 | 449.05 | 2,875.59 |
| Sandisfield | --- | 41.00 | 164.00 | 205.00 |
| Sandwich | --- | 672.41 | 147.12 | 819.53 |
| Saugus | 7,009.40 | 3,640.62 | 664.70 | 11,314.72 |
| Savoy | --- | 231.66 | 495.00 | 726.66 |
| Scituate | 3,360.02 | 488.10 | 117.87 | 3,965.99 |
| Seekonk | --- | 327.82 | --- | 327.82 |
| Sharon | --- | 1,005.80 | 363.02 | 1,368.82 |
| Sheffield | --- | 23.00 | --- | 23.00 |
| Shelburne | 3,537.01 | 1,495.80 | 469.75 | 5,502.56 |
| Sherborn | --- | 1,706.45 | 153.90 | 1,860.35 |
| Shirley | --- | 2,406.05 | 1,312.00 | 3,718.05 |
| Shrewsbury | --- | 6,994.33 | 624.10 | 7,618.43 |
| Shutesbury | --- | 570.00 | 206.00 | 776.00 |
| Silver Lake Regional | 31,512.07 | --- | --- | 31,512.07 |
| Somerset | 1,625.08 | 1,720.55 | 49.90 | 3,395.53 |
| Somerville | 106,309.96 | 3,206.30 | 65.50 | 109,581.76 |
| Southampton | --- | 4,456.19 | 1,698.83 | 6,155.02 |
| Southboro | --- | 2,285.00 | 397.71 | 2,682.71 |
| Southbridge | 54,420.43 | 1,809.98 | 614.10 | 56,844.51 |
| Southern Berkshire Regional | --- | --- | --- | --- |
| South Hadley | 979.32 | 9,055.69 | 812.67 | 10,847.68 |
| South Shore Regional | 69,105.87 | --- | --- | 69,105.87 |
| Southwick | --- | 8,090.68 | 2,459.22 | 10,549.90 |
| Spencer | 120.63 | 7,980.27 | 1,601.75 | 9,702.65 |
| Springfield | 361,763.47 | --- | --- | 361,763.47 |
| Sterling | --- | 1,661.98 | 1,080.76 | 2,742.74 |
| Stockbridge | 3,372.66 | 72.50 | 25.57 | 3,470.73 |
| Stoneham | --- | 5,308.66 | 984.46 | 6,293.12 |
| Stoughton | 1,266.60 | 4,085.20 | 938.20 | 6,290.00 |
| Stow | --- | 545.41 | 166.50 | 711.91 |
| Sturbridge | --- | 3,259.76 | 1,173.50 | 4,433.26 |
| Sudbury | --- | 1,141.00 | 347.99 | 1,488.99 |
| Sunderland | --- | 1,008.27 | 1,191.60 | 2,199.87 |
| Sutton | --- | 2,691.29 | 661.81 | 3,353.10 |
| Swampscott | 910.50 | 1,087.75 | 105.70 | 2,103.95 |
| Swansea | 8,065.67 | 313.50 | 99.28 | 8,478.45 |

| City, Town,
County or
Region | Maintenance | Tuition | Trans-
portation | Total |
|------------------------------------|-------------|-----------|---------------------|------------|
| Taunton | 34,038.27 | 403.65 | --- | 34,441.92 |
| Templeton | --- | 891.15 | 238.75 | 1,129.90 |
| Tewksbury | 2,545.77 | 4,058.07 | 894.20 | 7,498.04 |
| Tisbury | --- | --- | --- | --- |
| Tolland | --- | --- | --- | --- |
| Topsfield | --- | 264.05 | 64.87 | 328.92 |
| Townsend | --- | 706.67 | 147.20 | 853.87 |
| Truro | 245.00 | 237.50 | --- | 482.50 |
| Tyngsboro | --- | 2,816.95 | 121.75 | 2,938.70 |
| Tyringham | --- | 22.05 | --- | 22.05 |
| Upton | --- | 1,686.03 | 504.30 | 2,190.33 |
| Uxbridge | --- | 2,639.69 | 999.08 | 3,638.77 |
| Wachusett Regional | 11,176.01 | --- | --- | 11,176.01 |
| Wakefield | 2,075.68 | 4,118.18 | 869.99 | 7,063.85 |
| Wales | --- | 721.54 | 360.00 | 1,081.54 |
| Walpole | --- | 3,506.25 | 1,075.15 | 4,581.40 |
| Waltham | 92,392.14 | 1,126.44 | 20.50 | 93,539.08 |
| Ware | 649.53 | 2,934.96 | 890.40 | 4,474.89 |
| Wareham | 11,583.29 | 319.35 | --- | 11,902.64 |
| Warren | --- | 4,241.99 | 1,528.07 | 5,770.06 |
| Warwick | --- | 1,117.95 | 1,278.16 | 2,396.11 |
| Washington | --- | --- | --- | --- |
| Watertown | --- | 10,031.36 | 870.88 | 10,902.24 |
| Wayland | --- | 3,238.00 | 616.60 | 3,854.60 |
| Webster | 27,465.56 | 3,923.91 | 1,146.68 | 32,536.15 |
| Wellesley | 2,661.22 | 1,845.43 | 77.50 | 4,584.15 |
| Wellfleet | --- | 5.85 | --- | 5.85 |
| Wendell | --- | 2,128.75 | 416.10 | 2,544.85 |
| Wenham | --- | 1,030.98 | 67.75 | 1,098.73 |
| Westboro | --- | 833.27 | 154.43 | 987.70 |
| West Boylston | --- | 1,913.30 | 430.82 | 2,344.12 |
| West Bridgewater | 4,999.45 | 2,080.64 | 739.10 | 7,819.19 |
| West Brookfield | --- | 3,335.93 | 1,532.80 | 4,868.73 |
| Westfield | 107,825.03 | 5,410.45 | 546.77 | 113,782.25 |
| Westford | --- | 1,172.63 | 300.33 | 1,472.96 |
| Westhampton | --- | 672.24 | 452.92 | 1,125.16 |
| Westminster | --- | 1,829.20 | 621.85 | 2,451.05 |
| West Newbury | --- | 18.00 | 266.28 | 284.28 |
| Weston | --- | 472.15 | 59.40 | 531.55 |
| Westport | 6,799.40 | 1,051.99 | 590.00 | 8,441.39 |
| West Springfield | 1,002.79 | 11,831.03 | 777.00 | 13,610.82 |
| West Stockbridge | --- | 475.50 | 159.34 | 634.84 |
| West Tisbury | --- | 250.00 | --- | 250.00 |
| Westwood | 2,369.40 | 880.75 | 350.99 | 3,601.14 |
| Weymouth | 94,315.44 | 3,945.85 | 521.38 | 98,782.67 |
| Whately | --- | 2,637.45 | 1,146.29 | 3,783.74 |
| Whitman | --- | 845.89 | 230.88 | 1,076.77 |
| Whitman-Hanson Regional | 1,473.00 | --- | --- | 1,473.00 |
| Wilbraham | --- | 6,523.58 | 498.00 | 7,021.58 |
| Williamsburg | --- | 2,438.01 | 81.92 | 2,519.93 |

| City, Town,
County or
Region | Maintenance | Tuition | Trans-
portation | Total |
|------------------------------------|---------------------|-------------------|---------------------|---------------------|
| Williamstown | --- | 252.59 | 97.90 | 350.49 |
| Wilmington | 1,326.88 | 2,728.79 | 467.63 | 4,523.30 |
| Winchendon | 3,335.03 | 2,353.48 | 1,801.15 | 7,489.66 |
| Winchester | --- | 1,345.52 | 142.15 | 1,487.67 |
| Windsor | --- | 15.30 | --- | 15.30 |
| Winthrop | --- | 2,318.12 | 226.25 | 2,544.37 |
| Woburn | 3,249.50 | 5,947.24 | 323.25 | 9,519.99 |
| Worcester | 408,224.29 | --- | --- | 408,224.29 |
| Worthington | --- | 1,612.57 | 2,220.25 | 3,832.82 |
| Wrentham | --- | 716.02 | 187.44 | 903.46 |
| Yarmouth | 2,470.18 | 730.15 | 949.50 | 4,149.83 |
| TOTALS | 5,893,918.66 | 740,759.66 | 194,561.16 | 6,829,239.48 |

| Year | 1911 | 1912 | 1913 | 1914 |
|------|-------|-------|-------|-------|
| 1911 | 10.75 | 10.75 | 10.75 | 10.75 |
| 1912 | 10.75 | 10.75 | 10.75 | 10.75 |
| 1913 | 10.75 | 10.75 | 10.75 | 10.75 |
| 1914 | 10.75 | 10.75 | 10.75 | 10.75 |
| 1915 | 10.75 | 10.75 | 10.75 | 10.75 |
| 1916 | 10.75 | 10.75 | 10.75 | 10.75 |
| 1917 | 10.75 | 10.75 | 10.75 | 10.75 |
| 1918 | 10.75 | 10.75 | 10.75 | 10.75 |
| 1919 | 10.75 | 10.75 | 10.75 | 10.75 |
| 1920 | 10.75 | 10.75 | 10.75 | 10.75 |
| 1921 | 10.75 | 10.75 | 10.75 | 10.75 |
| 1922 | 10.75 | 10.75 | 10.75 | 10.75 |
| 1923 | 10.75 | 10.75 | 10.75 | 10.75 |
| 1924 | 10.75 | 10.75 | 10.75 | 10.75 |
| 1925 | 10.75 | 10.75 | 10.75 | 10.75 |
| 1926 | 10.75 | 10.75 | 10.75 | 10.75 |
| 1927 | 10.75 | 10.75 | 10.75 | 10.75 |
| 1928 | 10.75 | 10.75 | 10.75 | 10.75 |
| 1929 | 10.75 | 10.75 | 10.75 | 10.75 |
| 1930 | 10.75 | 10.75 | 10.75 | 10.75 |
| 1931 | 10.75 | 10.75 | 10.75 | 10.75 |
| 1932 | 10.75 | 10.75 | 10.75 | 10.75 |
| 1933 | 10.75 | 10.75 | 10.75 | 10.75 |
| 1934 | 10.75 | 10.75 | 10.75 | 10.75 |
| 1935 | 10.75 | 10.75 | 10.75 | 10.75 |
| 1936 | 10.75 | 10.75 | 10.75 | 10.75 |
| 1937 | 10.75 | 10.75 | 10.75 | 10.75 |
| 1938 | 10.75 | 10.75 | 10.75 | 10.75 |
| 1939 | 10.75 | 10.75 | 10.75 | 10.75 |
| 1940 | 10.75 | 10.75 | 10.75 | 10.75 |
| 1941 | 10.75 | 10.75 | 10.75 | 10.75 |
| 1942 | 10.75 | 10.75 | 10.75 | 10.75 |
| 1943 | 10.75 | 10.75 | 10.75 | 10.75 |
| 1944 | 10.75 | 10.75 | 10.75 | 10.75 |
| 1945 | 10.75 | 10.75 | 10.75 | 10.75 |
| 1946 | 10.75 | 10.75 | 10.75 | 10.75 |
| 1947 | 10.75 | 10.75 | 10.75 | 10.75 |
| 1948 | 10.75 | 10.75 | 10.75 | 10.75 |
| 1949 | 10.75 | 10.75 | 10.75 | 10.75 |
| 1950 | 10.75 | 10.75 | 10.75 | 10.75 |
| 1951 | 10.75 | 10.75 | 10.75 | 10.75 |
| 1952 | 10.75 | 10.75 | 10.75 | 10.75 |
| 1953 | 10.75 | 10.75 | 10.75 | 10.75 |
| 1954 | 10.75 | 10.75 | 10.75 | 10.75 |
| 1955 | 10.75 | 10.75 | 10.75 | 10.75 |
| 1956 | 10.75 | 10.75 | 10.75 | 10.75 |
| 1957 | 10.75 | 10.75 | 10.75 | 10.75 |
| 1958 | 10.75 | 10.75 | 10.75 | 10.75 |
| 1959 | 10.75 | 10.75 | 10.75 | 10.75 |
| 1960 | 10.75 | 10.75 | 10.75 | 10.75 |
| 1961 | 10.75 | 10.75 | 10.75 | 10.75 |
| 1962 | 10.75 | 10.75 | 10.75 | 10.75 |
| 1963 | 10.75 | 10.75 | 10.75 | 10.75 |
| 1964 | 10.75 | 10.75 | 10.75 | 10.75 |
| 1965 | 10.75 | 10.75 | 10.75 | 10.75 |
| 1966 | 10.75 | 10.75 | 10.75 | 10.75 |
| 1967 | 10.75 | 10.75 | 10.75 | 10.75 |
| 1968 | 10.75 | 10.75 | 10.75 | 10.75 |
| 1969 | 10.75 | 10.75 | 10.75 | 10.75 |
| 1970 | 10.75 | 10.75 | 10.75 | 10.75 |
| 1971 | 10.75 | 10.75 | 10.75 | 10.75 |
| 1972 | 10.75 | 10.75 | 10.75 | 10.75 |
| 1973 | 10.75 | 10.75 | 10.75 | 10.75 |
| 1974 | 10.75 | 10.75 | 10.75 | 10.75 |
| 1975 | 10.75 | 10.75 | 10.75 | 10.75 |
| 1976 | 10.75 | 10.75 | 10.75 | 10.75 |

Table No. 5 - Earnings of Vocational Agricultural Pupils
from projects and other supervised farm work.

A. Year Ending December 31, 1963

| ENROLLMENT | | | | PRODUCTIVE PROJECTS | | | | IMPROVEMENT PROJECTS | | | FARM WORK EXPERIENCE
(PLACEMENT) | | |
|------------|---------------|------------|-----------------|---------------------|-----------|-----------|--------------|----------------------|-------------|-----------|-------------------------------------|-----------------|--------------|
| Net | Non-Residents | Farm Homes | Part-time Farms | Pupil Hours | Receipts | Expenses | Labor Return | Number Projects | Pupil Hours | Value | Paid Hours | Amount Received | Unpaid Hours |
| | | | | | | | | | | | | | |
| 1,186 | 264 | 117 | 110 | 36,786 | 70,272.73 | 48,729.75 | 29,814.20 | 487 | 13,525 | 46,037.10 | 741,494 | 697,809.77 | 618,030 |

TABLE NO. 6 - Vital Statistics by types of Schools and Departments for School
Year Ending June 30, 1963

| 1962 - 1963 | ENROLLMENT | NUMBER OF
NON-RESIDENTS | AVERAGE MEMBERSHIP | AVERAGE ATTENDANCE | NUMBER OF
GRADUATES | WITHDRAWALS IN
INDUSTRY-TRAINED FOR | OTHER WITHDRAWALS |
|-------------|------------|----------------------------|--------------------|--------------------|------------------------|--|-------------------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 |

GROUP I 1a - BOYS' DAY INDUSTRIAL SCHOOLS

| | | | | | | | |
|------------------------------|-------|-----|---------|-------|-----|----|-----|
| Apponequet Reg. | 61 | 21 | 55.3 | 53.2 | 10 | -- | 9 |
| Arlington | 130 | 18 | 120.6 | 112.0 | 15 | 1 | 12 |
| Attleboro | 125 | 23 | 115.0 | 110.4 | 17 | 6 | 13 |
| Avon | 27 | 3 | 23.8 | 22.0 | 6 | 1 | 3 |
| Barnstable | 109 | 33 | 100.0 | 91.4 | 20 | 1 | 18 |
| Belmont | 81 | 26 | 73.0 | 71.0 | 20 | 2 | 2 |
| Beverly | 146 | 9 | 138.2 | 134.2 | 25 | 1 | 14 |
| Boston | 1,265 | 135 | 1,082.0 | 971.0 | 165 | 37 | 252 |
| Brockton | 109 | 32 | 98.4 | 89.4 | 15 | 2 | 8 |
| Chicopee | 280 | 10 | 211.9 | 192.9 | 45 | 36 | 52 |
| Dartmouth | 40 | -- | 38.9 | 36.1 | 6 | -- | 1 |
| Dighton-Rehoboth
Regional | 68 | 3 | 64.1 | 62.2 | 17 | -- | 4 |
| Everett | 234 | 62 | 211.1 | 223.6 | 64 | 2 | 15 |
| Fall River-Diman | 361 | 12 | 340.8 | 326.0 | 71 | 45 | 56 |
| Fitchburg | 102 | -- | 92.0 | 86.5 | 10 | 1 | 13 |
| Framingham | 91 | 30 | 86.6 | 81.6 | 22 | -- | 6 |
| Gloucester | 146 | 8 | 134.1 | 126.0 | 35 | 4 | 9 |
| Greenfield | 184 | 75 | 156.6 | 142.7 | 35 | 6 | 21 |
| Haverhill | 557 | 190 | 501.7 | 476.2 | 61 | 64 | 47 |
| Holyoke | 234 | 75 | 194.5 | 179.7 | 38 | 16 | 54 |
| King Philip Reg. | 71 | 13 | 59.8 | 56.1 | 16 | -- | 14 |
| Leominster-Saxton | 172 | 41 | 151.0 | 141.0 | 38 | 3 | 26 |
| Lowell | 359 | 57 | 335.1 | 329.0 | 54 | 1 | 40 |
| Lynn Shoe | 148 | 42 | 50.3 | 42.0 | 85 | -- | 36 |
| Lynn Trade | 279 | 6 | 264.5 | 247.3 | 78 | 1 | 12 |
| Malden | 138 | 8 | 117.4 | 128.8 | 24 | -- | 27 |
| Marlboro | 87 | 18 | 77.0 | 68.2 | 7 | 1 | 14 |
| Medford-Weldon | 283 | 76 | 258.3 | 244.3 | 55 | 2 | 33 |
| Nantucket | 19 | -- | 19.0 | 17.8 | 3 | -- | -- |
| New Bedford | 536 | 157 | 474.0 | 452.3 | 76 | 10 | 59 |
| New Salem | 35 | 34 | 32.0 | 31.0 | 7 | 1 | 2 |
| Newton | 291 | 105 | 263.9 | 241.3 | 45 | 13 | 37 |
| North Adams-McCann | 188 | 11 | 165.1 | 156.8 | 3 | -- | 3 |

| | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
|-----------------------------|--------|-------|----------|---------|-------|-----|-------|
| Northampton | 263 | 156 | 248.0 | 234.0 | 29 | 2 | 27 |
| Northbridge | 19 | 5 | 12.9 | 12.2 | -- | 3 | 3 |
| Peabody | 93 | 1 | 81.5 | 71.6 | 16 | 6 | 7 |
| Pittsfield | 292 | 27 | 262.8 | 237.5 | 71 | 5 | 29 |
| Provincetown | 24 | 3 | 23.7 | 22.2 | 2 | -- | -- |
| Quincy | 245 | 44- | 223.7 | 210.6 | 51 | 1 | 29 |
| Randolph | 32 | -- | 28.9 | 26.2 | 8 | -- | 3 |
| Salem | 113 | 1 | 98.0 | 94.1 | 27 | 2 | 5 |
| Silver Lake Reg. | 70 | 5 | 63.8 | 59.8 | 16 | 1 | 4 |
| Somerville | 318 | 20 | 277.6 | 249.0 | 57 | 6 | 63 |
| Southbridge-Cole | 165 | 14 | 148.3 | 138.8 | 5 | 4 | 19 |
| South Shore | 119 | 2 | 109.3 | 104.1 | -- | -- | 15 |
| Springfield | 926 | 261 | 844.0 | 771.2 | 131 | 3 | 191 |
| Swansea | 19 | -- | 18.1 | 17.1 | 4 | 1 | 1 |
| Taunton | 94 | 25 | 85.4 | 78.9 | 14 | 2 | 10 |
| Waltham | 272 | 47 | 216.0 | 199.0 | 53 | 8 | 44 |
| Wareham | 29 | -- | 28.0 | 26.0 | 8 | 7 | 2 |
| Webster-Bartlett | 85 | 30 | 80.0 | 75.6 | 23 | -- | 8 |
| Westfield | 172 | 16 | 166.8 | 166.1 | 22 | 3 | 16 |
| Weymouth | 277 | 41 | 261.8 | 243.4 | 68 | 5 | 42 |
| Worcester | 799 | 239 | 762.2 | 731.3 | 180 | 2 | 52 |
| Total for type
of school | 11,382 | 2,270 | 10,147.6 | 9,512.7 | 1,973 | 318 | 1,482 |

GROUP I 1a¹ - UNIT TRADE - TYPE C - TRADE PREPARATORY (BOYS)

| | | | | | | | |
|-----------------------------|-----|-----|-------|-------|----|----|-----|
| Fitchburg | 18 | 7 | 12.8 | 9.4 | 11 | -- | 4 |
| Framingham | 29 | 22 | 16.3 | 13.0 | 13 | -- | 12 |
| Leominster | 57 | 40 | 38.8 | 31.6 | -- | 27 | -- |
| Lynn | 71 | 21 | 49.2 | 42.0 | -- | -- | 27 |
| Waltham | 121 | 35 | 77.4 | 58.4 | -- | -- | 55 |
| Westfield | 55 | 20 | 48.1 | 43.0 | 37 | -- | 18 |
| Marlboro | 51 | 14 | 40.8 | 31.2 | -- | -- | 20 |
| Total for type
of school | 402 | 159 | 283.4 | 228.6 | 61 | 27 | 136 |

GROUP I 1b - GIRLS' DAY INDUSTRIAL SCHOOLS

| | | | | | | | |
|-----------------------------|-----|-----|-------|-------|-----|----|-----|
| Boston | 267 | 19 | 232.0 | 210.0 | 42 | -- | 53 |
| Essex County | 40 | -- | 36.0 | 33.0 | 33 | -- | 7 |
| Fall River-Diman | 70 | 1 | 45.0 | 40.6 | 30 | 25 | 3 |
| Norwood-Peabody | 110 | 80 | 87.9 | 83.5 | 57 | -- | 20 |
| Springfield | 218 | 51 | 195.2 | 176.8 | 75 | 3 | 27 |
| Worcester-Fanning | 257 | 118 | 225.8 | 208.5 | 64 | 2 | 36 |
| Total for type
of school | 962 | 269 | 821.9 | 752.4 | 301 | 30 | 146 |

GROUP I 1b¹ - UNIT TRADE - TYPE C - TRADE PREPARATORY (GIRLS)

403

| | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
|-----------------------------|-----|----|------|------|----|----|----|
| Boston | 64 | -- | 54.0 | 56.0 | -- | -- | 10 |
| Fall River | 19 | -- | 18.1 | 17.5 | -- | -- | -- |
| Springfield | 24 | 1 | 16.0 | 13.0 | -- | -- | 13 |
| Total for type
of school | 107 | 1 | 88.1 | 86.5 | -- | -- | 23 |

GROUP I 1c - INDUSTRIAL DEPARTMENTS

| | | | | | | | |
|-----------------------------|-----|----|-------|-------|----|----|-----|
| Boston-Brighton | 271 | 1 | 247.0 | 231.0 | -- | 4 | 48 |
| Charlestown | 249 | 1 | 226.0 | 210.0 | -- | -- | 18 |
| Dorchester | 150 | -- | 134.0 | 133.0 | -- | 4 | 27 |
| East Boston | 79 | 3 | 73.0 | 62.0 | -- | 5 | 6 |
| Hyde Park | 93 | 1 | 89.0 | 82.0 | -- | -- | 16 |
| Roxbury | 87 | -- | 84.0 | 84.0 | -- | 1 | 3 |
| South Boston | 63 | -- | 52.0 | 47.0 | -- | 3 | 8 |
| Total for type
of school | 992 | 6 | 905.0 | 849.0 | -- | 17 | 126 |

GROUP I 2a - PART-TIME COOPERATIVE TRADE SCHOOLS

| | | | | | | | |
|-----------------------------|-----|-----|-------|-------|-----|----|----|
| Arlington | 2 | -- | 1.0 | 1.0 | 2 | -- | -- |
| Beverly | 34 | 13 | 31.5 | 31.0 | 19 | -- | 3 |
| Boston-Brighton | 82 | 1 | 74.0 | 69.0 | -- | -- | -- |
| Charlestown | 63 | 3 | 56.0 | 53.0 | -- | -- | 7 |
| Dorchester | 59 | -- | 58.0 | 57.0 | 33 | 1 | -- |
| East Boston | 58 | 2 | 57.0 | 49.0 | -- | 2 | 2 |
| Hyde Park | 78 | 4 | 26.5 | 24.5 | -- | -- | 1 |
| Roxbury | 95 | 3 | 91.0 | 81.0 | -- | -- | -- |
| South Boston | 33 | 2 | 31.4 | 29.4 | -- | 1 | 3 |
| Fitchburg | 14 | -- | 14.0 | 13.5 | 14 | -- | -- |
| Haverhill | 64 | 24 | 43.5 | 42.3 | 45 | -- | 2 |
| Holyoke | 28 | 11 | 21.4 | 20.7 | 11 | 5 | 2 |
| Newton | 15 | 1 | 12.2 | 11.2 | 6 | -- | 1 |
| Northampton | 4 | -- | 4.0 | 4.0 | 4 | -- | -- |
| Pittsfield | 44 | 8 | 24.9 | 23.4 | 34 | 1 | 5 |
| Southbridge | 33 | 6 | 29.2 | 28.1 | 19 | -- | 1 |
| Springfield | 67 | 38 | 37.7 | 36.2 | 49 | -- | -- |
| Westfield | 31 | 3 | 20.5 | 20.1 | 19 | -- | -- |
| Total for type
of school | 804 | 119 | 633.8 | 594.4 | 255 | 10 | 27 |

| | | | | | | | |
|----|----|----|----|----|----|----|----|
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 |
| 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |

| | | | | | | | |
|----|----|----|----|----|----|----|----|
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 |
| 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |

| | | | | | | | |
|----|----|----|----|----|----|----|----|
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 |
| 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |

GROUP I 2c¹ - MENS' EVENING INDUSTRIAL SCHOOLS

404

| | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
|--------------------------|-------|-------|---------|---------|-------|----|-------|
| Apponequet Reg. | 62 | 14 | 52.6 | 42.3 | -- | -- | 14 |
| Arlington | 71 | 13 | 41.6 | 31.9 | -- | -- | 27 |
| Barnstable | 82 | 17 | 63.2 | 45.8 | 24 | -- | 29 |
| Beverly | 70 | 34 | 54.2 | 46.1 | 45 | -- | 22 |
| Boston | 831 | 117 | 596.0 | 455.0 | -- | -- | 359 |
| Brockton | 180 | 145 | 158.4 | 146.0 | -- | -- | -- |
| Chicopee | 334 | -- | 156.7 | 117.7 | -- | -- | 138 |
| Dighton-Rehoboth Reg. | 79 | 21 | 73.0 | 70.0 | 26 | 9 | -- |
| Fall River | 72 | 21 | 48.6 | 60.5 | -- | -- | 41 |
| Framingham | 116 | 71 | 89.7 | 58.7 | 46 | -- | 40 |
| Greenfield | 268 | 16 | 253.8 | 228.9 | -- | -- | 11 |
| Haverhill | 264 | 169 | 174.8 | 135.7 | -- | -- | 117 |
| Holyoke | 154 | 50 | 91.3 | 77.6 | -- | -- | 69 |
| King Philip Reg. | 33 | 17 | 26.5 | 24.2 | 23 | -- | 10 |
| Lawrence | 109 | 59 | 97.2 | 79.1 | -- | -- | -- |
| Leominster | 79 | 50 | 50.6 | 40.0 | -- | -- | 35 |
| Lowell | 147 | 20 | 110.3 | 79.1 | -- | -- | 64 |
| Lynn Shoe | 161 | 108 | 91.3 | 81.4 | 55 | -- | -- |
| Lynn Trade | 271 | 122 | 181.1 | 153.9 | -- | -- | 102 |
| Malden | 41 | 14 | 30.4 | 29.7 | -- | -- | 19 |
| Marlboro | 118 | 39 | 90.5 | 67.7 | -- | -- | 54 |
| Medford | 112 | 62 | 69.3 | 46.8 | -- | -- | 67 |
| New Bedford | 583 | 236 | 351.3 | 316.9 | -- | -- | 277 |
| Newton | 187 | 67 | 123.2 | 96.2 | -- | -- | 53 |
| Northampton | 45 | 28 | 42.0 | 39.0 | -- | -- | 2 |
| Pittsfield | 195 | 30 | 170.4 | 137.1 | 152 | -- | 33 |
| Quincy | 227 | 131 | 183.6 | 140.6 | 153 | -- | 39 |
| Salem | 32 | 16 | 25.8 | 18.1 | 19 | -- | 13 |
| Somerville | 204 | 39 | 130.1 | 99.1 | 69 | -- | 135 |
| Southbridge | 41 | 17 | 29.8 | 21.6 | -- | -- | 21 |
| South Shore | 83 | 23 | 60.2 | 47.8 | -- | -- | 34 |
| Springfield | 749 | 303 | 533.0 | 438.0 | 41 | -- | 335 |
| Taunton | 40 | 10 | 28.2 | 23.0 | -- | -- | 17 |
| Waltham | 73 | 24 | 53.6 | 41.4 | -- | -- | 35 |
| Webster | 99 | -- | 99.0 | 99.0 | 2 | -- | 10 |
| Westfield | 77 | 16 | 52.8 | 54.3 | 45 | -- | 32 |
| Weymouth | 59 | 24 | 30.5 | 21.5 | 19 | -- | 40 |
| Worcester | 962 | 451 | 671.0 | 540.0 | 427 | -- | 316 |
| Total for type of school | 7,310 | 2,594 | 5,185.6 | 4,251.7 | 1,146 | 9 | 2,610 |

GROUP I 2c² - EVENING TRADE EXTENSION SCHOOLS (WOMEN)

| | | | | | | | |
|--------------------------|----|----|------|------|----|----|----|
| Springfield | 27 | 20 | 26.0 | 25.0 | -- | -- | -- |
| Total for type of school | 27 | 20 | 26.0 | 25.0 | -- | -- | -- |

| | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
|-----------------------------|-------|-------|---------|---------|-----|----|-----|
| Boston | 1,189 | 723 | 994.1 | 846.4 | -- | -- | 197 |
| Boston Journeyman | 282 | 186 | 235.9 | 202.9 | -- | -- | 78 |
| Brockton | 112 | 52 | 74.2 | 52.9 | -- | -- | -- |
| Fitchburg | 62 | 38 | 39.5 | 33.6 | 29 | -- | 30 |
| Haverhill | 28 | 21 | 19.0 | 15.2 | -- | -- | 10 |
| Holyoke | 13 | 3 | 8.4 | 6.5 | -- | -- | 5 |
| King Philip Reg. | 18 | 11 | 15.2 | 12.0 | 14 | -- | 4 |
| Lawrence | 30 | 7 | 15.6 | 21.0 | -- | -- | -- |
| Leominster | 9 | 6 | 5.7 | 4.9 | -- | -- | 5 |
| Lowell | 96 | 18 | 71.7 | 71.9 | -- | -- | 40 |
| Lynn | 160 | 93 | 119.9 | 100.1 | -- | -- | 60 |
| Malden | 27 | 16 | 16.2 | 20.3 | -- | -- | 13 |
| Marlboro | 36 | 14 | 26.4 | 17.9 | -- | -- | 18 |
| Medford | 71 | 58 | 38.5 | 29.2 | -- | -- | 32 |
| Newton | 72 | 53 | 55.8 | 45.1 | -- | -- | 12 |
| Pittsfield | 201 | 53 | 157.4 | 134.0 | 21 | -- | 46 |
| Quincy | 61 | 29 | 45.8 | 44.5 | 36 | -- | 18 |
| Springfield | 148 | 74 | 118.0 | 116.8 | 93 | -- | 36 |
| Taunton | 23 | 11 | 14.0 | 9.7 | 2 | 12 | 2 |
| Weymouth | 13 | 9 | 8.6 | 5.5 | 10 | -- | 3 |
| Worcester | 46 | 21 | 31.0 | 22.0 | -- | -- | 17 |
| Total for type
of school | 2,697 | 1,496 | 2,110.9 | 1,812.4 | 205 | 12 | 626 |

GROUP III 1a - DAY HOUSEHOLD ARTS SCHOOLS

| | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
|-----------------------------|-----|-----|-------|-------|-----|----|----|
| Cambridge | 47 | 1 | 33.7 | 27.2 | 7 | 6 | 4 |
| Everett | 13 | -- | 10.8 | 8.9 | 3 | 1 | 2 |
| Fall River | 26 | -- | 25.0 | 23.0 | -- | -- | 2 |
| Lowell | 153 | 13 | 137.1 | 138.9 | 49 | 9 | 21 |
| New Bedford | 275 | 75 | 247.8 | 230.3 | 41 | 31 | 8 |
| New Salem | 21 | 19 | 19.0 | 17.0 | 6 | 1 | 2 |
| Northampton | 40 | 30 | 35.0 | 37.6 | 5 | -- | 5 |
| Springfield | 76 | 9 | 62.0 | 54.7 | -- | -- | 19 |
| Worcester | 89 | 23 | 75.4 | 69.7 | 4 | -- | 17 |
| Total for type
of school | 740 | 170 | 645.8 | 607.3 | 115 | 48 | 80 |

| | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
|-----------------------------|-------|----|---------|---------|-----|----|-----|
| Adams | 19 | 4 | 17.1 | 16.1 | 13 | 2 | 1 |
| Apponequet Reg. | 50 | 8 | 47.0 | 42.5 | -- | -- | 4 |
| Barnstable | 21 | -- | 19.2 | 17.2 | 7 | -- | 1 |
| Belchertown | 12 | -- | 10.0 | 9.0 | 3 | -- | 7 |
| Beverly | 10 | -- | 9.2 | 8.2 | -- | -- | 2 |
| Bourne | 5 | -- | 3.7 | 3.4 | -- | -- | 2 |
| Charlton | 16 | -- | 14.4 | 13.4 | -- | -- | 1 |
| Dartmouth | 21 | -- | 16.0 | 14.4 | 1 | -- | 4 |
| Duxbury | 18 | -- | 18.0 | 14.9 | 2 | -- | -- |
| Easton | 25 | -- | 25.0 | 23.5 | -- | -- | 1 |
| Fall River | 40 | 4 | 33.0 | 33.2 | -- | -- | 9 |
| Falmouth | 44 | 4 | 37.8 | 34.3 | 10 | -- | 9 |
| Foxboro | 38 | -- | 38.0 | 35.8 | -- | -- | -- |
| Hadley | 9 | -- | 9.0 | 8.1 | 4 | -- | -- |
| Haverhill | 78 | 3 | 70.7 | 70.7 | 7 | -- | 14 |
| Hudson | 8 | -- | 4.7 | 4.7 | -- | -- | -- |
| King Philip Reg. | 20 | 1 | 18.5 | 17.4 | 5 | -- | 2 |
| Lee | 19 | -- | 17.5 | 15.9 | 10 | -- | 1 |
| Marshfield | 28 | -- | 25.9 | 24.9 | 6 | -- | 3 |
| Narragansett Reg. | 33 | -- | 27.4 | 26.1 | -- | -- | 7 |
| Newburyport | 100 | 36 | 86.9 | 78.7 | 8 | 2 | 34 |
| North Adams | 26 | 4 | 23.9 | 22.3 | 5 | 3 | 1 |
| Northbridge | 27 | -- | 24.6 | 23.5 | 4 | -- | 19 |
| North Brookfield | 16 | 5 | 11.6 | 10.6 | 3 | -- | 3 |
| Palmer | 38 | -- | 38.0 | 36.0 | 3 | -- | -- |
| Pittsfield | 96 | 2 | 88.1 | 75.1 | 16 | 6 | 10 |
| Provincetown | 14 | 3 | 12.6 | 10.9 | 1 | -- | -- |
| Salem | 69 | -- | 61.8 | 55.2 | -- | 4 | 10 |
| Saugus | 37 | -- | 32.3 | 29.2 | 10 | -- | 5 |
| Scituate | 33 | -- | 30.2 | 27.0 | 1 | -- | 3 |
| Silver Lake Reg. | 35 | -- | 33.0 | 30.6 | -- | -- | 3 |
| Somerville | 48 | -- | 44.9 | 34.6 | 2 | -- | 16 |
| Tewksbury | 34 | -- | 21.8 | 20.8 | 17 | -- | -- |
| Wachusett Reg. | 11 | -- | 9.5 | 8.7 | -- | -- | 2 |
| Wareham | 12 | -- | 9.2 | 9.0 | 1 | -- | 1 |
| West Bridgewater | 77 | -- | 77.0 | 70.0 | -- | -- | -- |
| Westport | 21 | -- | 18.2 | 16.9 | 10 | 1 | 2 |
| Winchendon | 71 | 2 | 61.1 | 57.1 | 10 | 9 | 5 |
| Total for type
of school | 1,279 | 76 | 1,146.8 | 1,049.9 | 159 | 27 | 182 |

| | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
|------------------------------|-------|-----|---------|---------|-----|-----|-----|
| Abington | 128 | 1 | 89.8 | 74.0 | --- | --- | --- |
| Agawam | 261 | --- | 215.7 | 183.7 | --- | --- | --- |
| Amherst-Pelham Reg. | 188 | 8 | 147.4 | 120.8 | --- | --- | --- |
| Andover | 143 | 12 | 136.7 | 128.1 | --- | --- | --- |
| Apponequet Reg. | 157 | 11 | 146.6 | 112.4 | --- | --- | --- |
| Arlington | 896 | 9 | 726.3 | 588.5 | --- | --- | --- |
| Athol | 76 | --- | 50.5 | 42.0 | --- | --- | --- |
| Auburn | 233 | --- | 215.3 | 193.4 | --- | --- | --- |
| Barnstable | 92 | 3 | 84.2 | 70.6 | --- | --- | --- |
| Bedford | 221 | 9 | 205.0 | 165.0 | --- | --- | --- |
| Belchertown | 20 | --- | 15.4 | 12.9 | --- | --- | --- |
| Belmont | 192 | --- | 167.0 | 150.0 | --- | --- | --- |
| Beverly | 339 | 69 | 289.8 | 239.7 | --- | --- | --- |
| Billerica | 176 | 5 | 159.5 | 134.2 | --- | --- | --- |
| Boston | 1,612 | --- | 1,287.0 | 1,035.0 | --- | --- | --- |
| Bourne | 78 | 1 | 72.0 | 61.7 | --- | --- | --- |
| Braintree | 198 | --- | 177.8 | 146.1 | --- | --- | --- |
| Bridgewater | 77 | 4 | 66.3 | 56.4 | --- | --- | --- |
| Brockton | 387 | 46 | 285.6 | 246.4 | --- | --- | --- |
| Brookline | 1,057 | 141 | 730.4 | 855.2 | --- | --- | --- |
| Burlington | 183 | --- | 181.0 | 169.8 | --- | --- | --- |
| Cambridge | 343 | --- | 325.9 | 323.6 | --- | --- | --- |
| Canton | 280 | 26 | 254.0 | 199.0 | --- | --- | --- |
| Chatham | 81 | 12 | 58.9 | 54.2 | --- | --- | --- |
| Chelmsford | 156 | 3 | 156.0 | 115.5 | --- | --- | --- |
| Chicopee | 784 | --- | 744.8 | 740.1 | --- | --- | --- |
| Concord-Carlisle
Regional | 439 | 46 | 417.0 | 414.1 | --- | --- | --- |
| Danvers | 163 | --- | 154.9 | 151.3 | --- | --- | --- |
| Dartmouth | 125 | --- | 118.0 | 129.0 | --- | --- | --- |
| Dighton | 66 | --- | 59.8 | 50.4 | --- | --- | --- |
| Douglas | 36 | 10 | 27.6 | 27.3 | --- | --- | --- |
| Duxbury | 47 | --- | 47.0 | 31.4 | --- | --- | --- |
| Easthampton | 130 | 5 | 119.1 | 116.1 | --- | --- | --- |
| East Longmeadow | 140 | 17 | 113.7 | 89.9 | --- | --- | --- |
| Easton | 114 | 5 | 87.3 | 65.0 | --- | --- | --- |
| Essex | 48 | 11 | 44.0 | 35.3 | --- | --- | --- |
| Essex County | 967 | --- | 890.0 | 721.0 | --- | --- | --- |
| Everett | 153 | --- | 125.9 | 110.4 | --- | --- | --- |
| Fall River | 248 | 19 | 235.0 | 222.0 | --- | --- | --- |
| Falmouth | 65 | --- | 54.3 | 55.2 | --- | --- | --- |
| Franklin | 155 | 15 | 134.6 | 113.4 | --- | --- | --- |
| Frontier Reg. | 48 | --- | 41.2 | 30.0 | --- | --- | --- |
| Gardner | 350 | 24 | 332.5 | 328.6 | --- | --- | --- |
| Gloucester | 178 | --- | 142.3 | 127.2 | --- | --- | --- |
| Greenfield | 232 | 32 | 187.5 | 136.8 | --- | --- | --- |
| Hadley | 55 | --- | 34.9 | 31.7 | --- | --- | --- |
| Hanover | 123 | 12 | 93.7 | 79.6 | --- | --- | --- |
| Harwich | 76 | 9 | 55.3 | 40.9 | --- | --- | --- |
| Haverhill | 170 | 22 | 113.7 | 101.2 | --- | --- | --- |
| Hingham | 222 | 6 | 205.5 | 196.5 | --- | --- | --- |
| Holbrook | 122 | --- | 106.3 | 88.3 | --- | --- | --- |
| Holyoke | 783 | 122 | 593.0 | 512.0 | --- | --- | --- |
| Hudson | 102 | --- | 96.0 | 85.0 | --- | --- | --- |
| Hull | 106 | --- | 106.0 | 49.5 | --- | --- | --- |
| King Philip Reg. | 87 | 31 | 82.6 | 80.0 | --- | --- | --- |
| Lawrence | 520 | 99 | 385.4 | 338.0 | --- | --- | --- |

GROUP III 3 - EVENING PRACTICAL ART SCHOOLS

| | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
|---------------------|-------|-----|---------|---------|----|----|----|
| Lenox | 19 | 4 | 15.0 | 15.0 | -- | -- | -- |
| Leominster | 401 | 99 | 340.3 | 267.4 | -- | -- | -- |
| Lexington | 468 | 18 | 445.5 | 440.2 | -- | -- | -- |
| Lowell | 476 | 78 | 325.0 | 426.6 | -- | -- | -- |
| Lunenburg | 88 | -- | 75.0 | 57.3 | -- | -- | -- |
| Lynn | 594 | 42 | 484.0 | 416.0 | -- | -- | -- |
| Mahar Reg. | 92 | 8 | 87.4 | 86.3 | -- | -- | -- |
| Manchester | 79 | -- | 69.4 | 56.3 | -- | -- | -- |
| Medford | 681 | -- | 545.5 | 459.0 | -- | -- | -- |
| Medway | 64 | -- | 55.6 | 43.5 | -- | -- | -- |
| Melrose | 269 | -- | 255.5 | 252.2 | -- | -- | -- |
| Methuen | 151 | -- | 109.6 | 90.8 | -- | -- | -- |
| Middleboro | 57 | -- | 43.3 | 38.6 | -- | -- | -- |
| Milford | 220 | -- | 209.0 | 204.5 | -- | -- | -- |
| Millis | 78 | -- | 61.0 | 48.8 | -- | -- | -- |
| Milton | 173 | -- | 173.0 | 133.1 | -- | -- | -- |
| Montague | 106 | 24 | 93.0 | 92.1 | -- | -- | -- |
| Narragansett Reg. | 106 | 22 | 88.4 | 69.1 | -- | -- | -- |
| New Bedford | 1,224 | 244 | 956.4 | 813.0 | -- | -- | -- |
| Newton | 983 | 81 | 735.4 | 581.3 | -- | -- | -- |
| North Adams | 119 | 42 | 87.3 | 74.9 | -- | -- | -- |
| Northampton | 116 | 32 | 113.0 | 98.4 | -- | -- | -- |
| North Attleboro | 164 | 25 | 134.5 | 117.9 | -- | -- | -- |
| Northbridge | 80 | 6 | 63.4 | 58.1 | -- | -- | -- |
| North Reading | 189 | 10 | 156.6 | 123.4 | -- | -- | -- |
| Norwell | 55 | 2 | 44.0 | 35.6 | -- | -- | -- |
| Norwood | 339 | 10 | 291.3 | 247.5 | -- | -- | -- |
| Old Rochester Reg. | 97 | 2 | 75.2 | 65.8 | -- | -- | -- |
| Palmer | 114 | -- | 81.8 | 65.9 | -- | -- | -- |
| Pioneer Valley Reg. | 132 | 10 | 127.0 | 110.4 | -- | -- | -- |
| Pittsfield | 362 | 71 | 347.0 | 286.3 | -- | -- | -- |
| Plymouth | 158 | -- | 142.0 | 119.0 | -- | -- | -- |
| Provincetown | 40 | -- | 34.0 | 27.9 | -- | -- | -- |
| Quincy | 845 | -- | 772.3 | 641.6 | -- | -- | -- |
| Randolph | 192 | -- | 158.0 | 157.2 | -- | -- | -- |
| Reading | 168 | -- | 155.8 | 133.5 | -- | -- | -- |
| Rehoboth | 67 | -- | 56.5 | 47.1 | -- | -- | -- |
| Revere | 120 | -- | 106.9 | 106.5 | -- | -- | -- |
| Rockland | 196 | -- | 152.4 | 126.4 | -- | -- | -- |
| Salem | 354 | 63 | 336.7 | 269.2 | -- | -- | -- |
| Saugus | 316 | -- | 280.4 | 194.2 | -- | -- | -- |
| Scituate | 45 | -- | 41.2 | 35.8 | -- | -- | -- |
| Shelburne | 55 | 39 | 48.8 | 39.7 | -- | -- | -- |
| Silver Lake Reg. | 109 | -- | 76.0 | 81.7 | -- | -- | -- |
| Somerset | 132 | 3 | 112.9 | 101.3 | -- | -- | -- |
| Somerville | 483 | -- | 436.0 | 397.1 | -- | -- | -- |
| Southbridge | 153 | 18 | 117.7 | 93.5 | -- | -- | -- |
| South Hadley | 131 | -- | 109.6 | 89.8 | -- | -- | -- |
| Spencer | 59 | 16 | 36.1 | 29.7 | -- | -- | -- |
| Springfield | 2,818 | 535 | 2,213.0 | 1,194.0 | -- | -- | -- |
| Stoughton | 152 | -- | 144.4 | 140.3 | -- | -- | -- |
| Swampscott | 169 | 36 | 137.6 | 116.0 | -- | -- | -- |
| Swansea | 88 | 10 | 75.4 | 67.4 | -- | -- | -- |
| Taunton | 443 | 53 | 356.2 | 310.2 | -- | -- | -- |
| Tewksbury | 229 | 5 | 215.6 | 189.2 | -- | -- | -- |
| Truro | 28 | -- | 25.1 | 17.7 | -- | -- | -- |
| Ware | 250 | 21 | 212.3 | 208.1 | -- | -- | -- |

GROUP III 3 - EVENING PRACTICAL ART SCHOOLS

409

| | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
|--------------------------|--------|-------|----------|----------|----|----|----|
| Waltham | 305 | -- | 289.7 | 282.5 | -- | -- | -- |
| Ware | 127 | -- | 125.0 | 112.0 | -- | -- | -- |
| Wareham | 85 | -- | 78.1 | 70.5 | -- | -- | -- |
| Webster | 71 | 20 | 63.1 | 57.2 | -- | -- | -- |
| Wellesley | 578 | 124 | 549.1 | 545.2 | -- | -- | -- |
| Westfield | 483 | 78 | 417.9 | 361.0 | -- | -- | -- |
| Westport | 79 | -- | 68.1 | 54.5 | -- | -- | -- |
| West Springfield | 189 | 1 | 155.4 | 142.8 | -- | -- | -- |
| Westwood | 255 | -- | 221.8 | 169.0 | -- | -- | -- |
| Weymouth | 665 | -- | 631.7 | 628.0 | -- | -- | -- |
| Whitman-Hanson Reg. | 308 | 25 | 292.6 | 290.0 | -- | -- | -- |
| Wilmington | 175 | 17 | 141.0 | 140.8 | -- | -- | -- |
| Winchendon | 85 | 4 | 60.2 | 48.5 | -- | -- | -- |
| Woburn | 408 | -- | 369.0 | 329.0 | -- | -- | -- |
| Worcester | 1,237 | 198 | 904.6 | 755.0 | -- | -- | -- |
| Yarmouth | 114 | 32 | 97.2 | 75.6 | -- | -- | -- |
| Total for type of school | 35,590 | 2,983 | 30,032.8 | 25,746.4 | -- | -- | -- |

GROUP IV 1a - DAY AGRICULTURAL SCHOOLS

| | | | | | | | |
|--------------------------|-----|-----|-------|-------|-----|----|----|
| Bristol County | 180 | 41 | 168.3 | 157.8 | 19 | 27 | -- |
| Essex County | 332 | 66 | 277.3 | 257.7 | 46 | 10 | -- |
| New Salem | 33 | 32 | 30.0 | 27.2 | 3 | 4 | -- |
| Norfolk County | 200 | 32 | 173.7 | 150.7 | 46 | 23 | -- |
| Northampton | 24 | 17 | 19.0 | 21.8 | 4 | 7 | -- |
| Total for type of school | 769 | 188 | 668.3 | 615.2 | 118 | 71 | -- |

GROUP IV 1b - DAY AGRICULTURAL DEPARTMENTS

| | | | | | | | |
|------------------|-----|----|------|------|----|---|----|
| Barnstable | 20 | 1 | 19.7 | 17.7 | 2 | 1 | -- |
| Boston | 104 | 10 | 99.0 | 94.1 | 15 | 8 | -- |
| Charlton | 13 | -- | 12.3 | 11.2 | 4 | 2 | -- |
| Frontier Reg. | 15 | -- | 13.9 | 14.2 | -- | 2 | -- |
| Hadley | 27 | -- | 25.5 | 25.5 | 7 | 3 | -- |
| Narragansett | | | | | | | |
| Regional | 44 | 13 | 40.5 | 38.3 | 7 | 7 | -- |
| North Brookfield | 19 | 7 | 13.8 | 13.2 | 1 | 4 | -- |
| Pioneer Valley | | | | | | | |
| Regional | 22 | 1 | 20.8 | 19.5 | 3 | 1 | -- |
| Shelburne | 18 | 13 | 17.5 | 17.3 | 5 | 1 | -- |
| Silver Lake | | | | | | | |
| Regional | 31 | 3 | 29.0 | 27.0 | 6 | 3 | -- |
| Stockbridge | 15 | 9 | 14.0 | 13.0 | 3 | 2 | -- |
| Wachusett Reg. | 30 | 1 | 27.6 | 26.0 | 4 | 2 | -- |

GROUP IV 1b - DAY AGRICULTURAL DEPARTMENTS (continued)

410

| | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
|--------------------------|-----|----|-------|-------|----|----|----|
| Westport | 17 | -- | 16.2 | 15.5 | 3 | 1 | -- |
| Worcester | 42 | 18 | 38.0 | 36.0 | 13 | 8 | -- |
| Total for type of school | 417 | 76 | 387.8 | 368.5 | 73 | 45 | -- |

GROUP IV 3 - EVENING AGRICULTURAL DEPARTMENTS

| | En-rolled | Com-pleted Course | Farm Owners | Farm Tenants | Farm Part-ners | Farm Labor-ers | Non-Farm-ers |
|--------------------------|-----------|-------------------|-------------|--------------|----------------|----------------|--------------|
| Bristol County | 66 | -- | 10 | -- | 1 | 4 | 51 |
| Essex County | 74 | -- | -- | -- | -- | -- | 74 |
| Frontier Regional | 14 | -- | 8 | -- | -- | 6 | -- |
| Narragansett Regional | 11 | -- | 6 | -- | -- | 1 | 4 |
| Norfolk County | 85 | -- | -- | -- | -- | -- | 85 |
| Northampton | 12 | -- | 2 | -- | 5 | 5 | -- |
| Wachusett Regional | 16 | -- | 3 | -- | 8 | 3 | 2 |
| Westport | 22 | -- | 14 | -- | 7 | 1 | -- |
| Total for type of school | 300 | -- | 43 | -- | 21 | 20 | 216 |

GROUP V 1a - PART-TIME COOPERATIVE DISTRIBUTIVE OCCUPATIONS SCHOOLS

| | En-rollment | No. of Non-Residents | Average Member-ship | Average Attend-ance | No. of Gradu-ates | With-drawals in Ind. Trained for 6 | Other With-drawals |
|--------------|-------------|----------------------|---------------------|---------------------|-------------------|------------------------------------|--------------------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| Beverly | 26 | -- | 26.0 | 23.7 | 26 | -- | -- |
| Boston | 100 | -- | 90.4 | 81.1 | 90 | -- | 10 |
| Braintree | 15 | -- | 15.0 | 14.2 | 15 | -- | -- |
| Brockton | 9 | -- | 8.4 | 7.7 | 8 | -- | 1 |
| Chicopee | 18 | -- | 17.6 | 16.0 | 15 | -- | 2 |
| Essex County | 120 | 4 | 120.0 | 111.6 | 120 | -- | -- |
| Fitchburg | 24 | -- | 23.0 | 22.8 | 23 | -- | 1 |
| Lowell | 21 | 3 | 21.0 | 20.2 | 21 | -- | -- |
| Malden | 36 | -- | 34.2 | 34.0 | 18 | -- | 4 |
| Medford | 41 | -- | 38.4 | 35.9 | 39 | -- | 2 |
| Peabody | 30 | -- | 26.3 | 25.4 | -- | -- | 4 |
| Pittsfield | 19 | -- | 19.0 | 17.9 | 19 | -- | -- |
| Quincy | 16 | -- | 14.0 | 15.7 | 15 | -- | 1 |
| Salem | 18 | 1 | 18.0 | 18.0 | 18 | -- | -- |

GROUP V 1a - PART-TIME COOPERATIVE DISTRIBUTIVE OCCUPATIONS SCHOOLS (Continued)

| | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
|-----------------------------|-----|----|-------|-------|-----|----|----|
| Saugus | 16 | -- | 14.0 | 13.3 | 12 | -- | 4 |
| Somerville | 20 | -- | 19.3 | 16.9 | 20 | -- | -- |
| Weymouth | 18 | -- | 16.5 | 15.4 | 16 | 1 | 1 |
| Total for type
of school | 547 | 8 | 521.1 | 489.8 | 475 | 1 | 30 |

GROUP V 3 - EVENING DISTRIBUTIVE OCCUPATIONS SCHOOLS

| | | | | | | | |
|-----------------------------|-------|-----|---------|---------|-------|----|----|
| Beverly | 40 | -- | 38.0 | 38.0 | 33 | -- | 7 |
| Boston | 1,109 | 182 | 1,044.0 | 933.0 | 1,044 | 17 | 35 |
| Lowell | 51 | -- | 51.0 | 42.3 | -- | -- | -- |
| Malden | 15 | -- | 15.0 | 15.0 | 15 | -- | -- |
| Pittsfield | 60 | 3 | 60.0 | 60.0 | 60 | -- | -- |
| Quincy | 77 | -- | 77.0 | 77.0 | -- | -- | -- |
| Worcester | 72 | -- | 72.0 | 69.0 | -- | -- | -- |
| Total for type
of school | 1,424 | 185 | 1,357.0 | 1,234.3 | 1,152 | 17 | 42 |

GROUP VI 1 - DAY PRACTICAL NURSING SCHOOLS

| | | | | | | | |
|-----------------------------|-----|-----|-------|-------|-----|----|-----|
| Boston | 66 | 23 | 43.0 | 40.0 | 22 | -- | 8 |
| Essex County | 49 | -- | 33.0 | 32.0 | 16 | -- | 3 |
| Fall River | 42 | 25 | 39.0 | 38.0 | -- | -- | 8 |
| Lawrence | 47 | 21 | 35.0 | 23.0 | 36 | -- | 18 |
| Lowell | 17 | 5 | 17.0 | 16.0 | -- | -- | 1 |
| North Adams--
McCann | 20 | 4 | 20.0 | 19.0 | -- | -- | 5 |
| Northampton | 19 | 7 | 16.0 | 15.0 | 11 | -- | 8 |
| Norwood | 54 | 3 | 35.0 | 35.0 | 15 | 13 | 2 |
| Pittsfield | 38 | 22 | 28.0 | 26.0 | 4 | -- | 16 |
| Springfield | 177 | 95 | 96.0 | 92.0 | 114 | 1 | 19 |
| Taunton | 71 | 30 | 43.0 | 41.0 | 33 | 1 | 6 |
| Worcester | 122 | 94 | 70.0 | 68.0 | 51 | -- | 14 |
| Total for type
of school | 722 | 329 | 475.0 | 445.0 | 302 | 15 | 108 |

GROUP VI 2 - EVENING TRADE EXTENSION (WOMEN) - PRACTICAL NURSING

412

| | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
|-----------------------------|-----|----|-------|-------|----|----|----|
| Arlington | 17 | 15 | 14.1 | 10.8 | -- | -- | 5 |
| Essex County | 18 | -- | 12.0 | 12.0 | 10 | -- | -- |
| Fall River | 10 | -- | 10.0 | 10.0 | -- | -- | -- |
| Fitchburg | 10 | 5 | 10.0 | 7.8 | 7 | -- | -- |
| Northampton | 19 | 10 | 14.0 | 16.3 | -- | -- | 4 |
| Somerville | 42 | -- | 39.0 | 36.1 | -- | -- | -- |
| Springfield | 60 | 12 | 46.0 | 39.0 | -- | -- | 17 |
| Worcester | 48 | 24 | 40.1 | 44.4 | 31 | -- | 13 |
| Total for type
of school | 224 | 66 | 185.2 | 176.4 | 48 | -- | 39 |

GROUP VII 1 - DAY AREA VOCATIONAL SCHOOLS

| | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
|-----------------------------|-----|-----|-------|-------|-----|----|----|
| Arlington | 24 | 2 | 23.2 | 21.5 | 9 | 1 | 1 |
| Fall River | 12 | 2 | 11.6 | 11.2 | 4 | -- | -- |
| Leominster | 34 | 10 | 27.0 | 24.1 | 15 | -- | 5 |
| Lynn | 41 | 3 | 39.7 | 37.3 | 17 | -- | 1 |
| Marlboro | 13 | 7 | 10.0 | 10.0 | -- | -- | 3 |
| Medford | 11 | 1 | 9.6 | 9.0 | 10 | -- | 1 |
| New Bedford | 23 | 9 | 22.1 | 21.2 | 11 | -- | -- |
| Newton | 25 | 7 | 20.1 | 19.5 | 6 | 2 | 3 |
| Pittsfield | 157 | 4 | 145.0 | 138.8 | 40 | -- | 4 |
| Quincy | 12 | -- | 12.2 | 11.2 | 10 | -- | -- |
| South Shore | 11 | 1 | 10.3 | 9.9 | 1 | -- | 1 |
| Springfield | 119 | 60 | 94.1 | 84.3 | 36 | -- | -- |
| Weymouth | 24 | -- | 23.3 | 22.0 | -- | -- | 1 |
| Worcester | 128 | 60 | 123.8 | 120.0 | 55 | -- | 11 |
| Total for type
of school | 634 | 166 | 572.0 | 540.0 | 214 | 3 | 31 |

GROUP VII 2 - EVENING AREA VOCATIONAL SCHOOLS

| | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
|-----------------------------|-----|-----|-------|-------|-----|----|-----|
| Framingham | 114 | 86 | 84.0 | 74.9 | 73 | -- | 39 |
| Leominster | 44 | 28 | 32.3 | 26.6 | -- | -- | 18 |
| Lowell | 43 | 4 | 27.8 | 24.3 | -- | -- | 21 |
| Lynn | 129 | 56 | 91.3 | 77.2 | -- | -- | 53 |
| Medford | 62 | 33 | 47.6 | 36.3 | -- | -- | 26 |
| New Bedford | 41 | 14 | 30.2 | 28.4 | -- | -- | 12 |
| Pittsfield | 70 | 15 | 55.9 | 46.8 | 46 | -- | 18 |
| Quincy | 144 | 86 | 114.0 | 91.0 | 94 | -- | 36 |
| South Shore | 19 | 1 | 14.6 | 13.0 | -- | -- | 8 |
| Springfield | 136 | 55 | 108.0 | 90.0 | -- | -- | 68 |
| Waltham | 25 | 22 | 21.5 | 17.3 | -- | -- | 4 |
| Worcester | 105 | 35 | 91.0 | 78.0 | 51 | -- | 20 |
| Total for type
of school | 932 | 435 | 718.2 | 613.8 | 264 | -- | 323 |

TABLE NO. 7 FEDERAL SMITH HUGHES AND GEORGE BARDEN FUNDS
State and Local Matching Dollar for Dollar

RECEIPTS - EXPENDITURES - MATCHING FUNDS

School Year Ended June 30, 1963

| Type - Vocational Education | Agriculture | Distributive Occupations | Home Economics | Trade & Industrial | Fisheries | Practical Nurse | Area Vocational Title VIII | Totals |
|--|-------------|--------------------------|----------------|--------------------|-----------|-----------------|----------------------------|---------------|
| Balance - July 1, 1962 | --- | --- | --- | --- | 14,020.00 | --- | 51,557.86 | 65,577.86 |
| Net Receipts to June 30, 1963 | | | | | | | | |
| Smith-Hughes | 60,505.36 | --- | 16,263.55 | 102,692.09 | --- | --- | --- | 179,461.00 |
| George-Barden | 40,000.00 | 70,850.00 | 122,251.00 | 244,251.00 | --- | 83,309.00 | 198,370.14 | 759,031.14 |
| Less: Returned to Washington | --- | --- | --- | --- | 7,020.00 | --- | 25,000.00 | 32,020.00 |
| Available, 1962 - 63 | 100,505.36 | 70,850.00 | 138,514.55 | 346,943.09 | 7,000.00 | 83,309.00 | 224,928.00 | 972,050.00 |
| Balance on Hand, July 1, 1963 | --- | --- | --- | --- | 7,000.00 | 9,420.35 | 1,852.08 | 18,272.43 |
| Expended 7-1-62 to 6-30-63 | 100,505.36 | 70,850.00 | 138,514.55 | 346,943.09 | --- | 73,888.65 | 223,075.92 | 953,777.57 |
| <u>Analysis of Expenditures</u> | | | | | | | | |
| State Administration | 5,624.47 | 3,614.57 | 9,984.95 | 16,816.10 | --- | 4,664.39 | 3,153.31 | 43,857.79 |
| State Supervision and Teacher-Training | 11,872.00 | 11,343.75 | 22,582.48 | 70,234.72 | --- | 6,267.24 | 4,310.52 | 126,610.71 |
| Local Schools | 83,008.89 | 55,891.68 | 105,947.12 | 259,892.27 | --- | 62,957.02 | 215,612.09 | 783,309.07 |
| TOTALS | 100,505.36 | 70,850.00 | 138,514.55 | 346,943.09 | --- | 73,888.65 | 223,075.92 | 953,777.57 |
| State and Local Matching Funds | 748,372.00 | 133,954.00 | 1,040,589.00 | 8,158,170.00 | 7,080.00 | 171,215.00 | 403,381.00 | 10,655,681.00 |

Table No. 8 - Statistics of Teacher-Training from July 1, 1963 to June 30, 1964
(Roman Numerals refer to Divisions)

| Types of Service | 1
Number admitted to
class | 2
Number of different
subjects taught (or
intended by those
completing course) | 3
Length of course-
clock hours | 4
Number employed as
Teacher-Training
teachers subject to
requirement | 5
Number completing
the course |
|---|----------------------------------|--|---------------------------------------|---|--------------------------------------|
| Group I. Agriculture
Teacher-Training
Professional Improvement | 17
82 | 10
10 | 1860
71 | 3
9 | 17
82 |
| Group II. Trade and Industry
Teacher-Training
Professional Improvement
Foreman Training
Public Service Training | 297
444
625
163 | 44
29
1
1 | 1960
500
660
147 | 94
-
-
- | 267
429
514
145 |
| Group III. Day Household Arts
and Industrial
Teacher-Training
Professional Improvement | 10
93 | 4
14 | 180
60 | 9
- | 10
81 |

1 1 1 1

4

| 1 | 2 | 3 | 4 | 5 | 6 |
|--|-----|----|-----|----|-----|
| Group IV. Evening Practical Art
(Women) | | | | | |
| Teacher-Training | 83 | 14 | 160 | 51 | 79 |
| Professional Improvement | 194 | 15 | 90 | - | 175 |
| Group V. Distributive Education | | | | | |
| Teacher-Training | 9 | 1 | 60 | - | 9 |
| Professional Improvement | 587 | 1 | 274 | - | 572 |
| Group VI. Practical Nursing | | | | | |
| Teacher-Training | 7 | 1 | 30 | 6 | 6 |
| Professional Improvement | 22 | 5 | 30 | - | 12 |

Table No. 8 - Statistics of Teacher-Training from July 1, 1962 to June 30, 1963
Group V. Number of Teachers in State-Aided Schools and Changes in Personnel of Teacher Force
All Schools (Men and Women)

| TYPE OF SCHOOL | Teachers in service September 1, 1962 | | New Teachers added during the year to June 30, 1963 | | Teachers leaving the service during the year to June 30, 1963 | | Teachers in service at close of year to June 30, 1963 | | Teachers leaving service during summer, June 30 to August 31, 1963 | | New teachers added during summer June 30 to August 31, 1963 | | Teachers in service September 1, 1963 | | Total teachers leaving the service during year | | Total new teachers added during the year | |
|-------------------------------------|---------------------------------------|------------------|---|----------------|---|----------------|---|------------------|--|-----------------|---|-----------------|---------------------------------------|------------------|--|-----------------|--|-----------------|
| | Shop | Aca-demic | Shop | Aca-demic | Shop | Aca-demic | Shop | Aca-demic | Shop | Aca-demic | Shop | Aca-demic | Shop | Aca-demic | Shop | Aca-demic | Shop | Aca-demic |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 |
| I. INDUSTRIAL | | | | | | | | | | | | | | | | | | |
| 1. Day | | | | | | | | | | | | | | | | | | |
| a. Boys (Unit Trade) | | | | | | | | | | | | | | | | | | |
| Men | 644 ¹ | 201 ¹ | 10 | 3 | 4 | 1 | 651 ¹ | 203 ¹ | 44 | 30 | 67 | 38 | 674 ¹ | 204 ¹ | 48 | 34 | 77 | 40 |
| Women | 7 ¹ | 11 ¹ | 1 | - | - | - | 8 ¹ | 11 ¹ | 1 | 1 | - | 3 | 8 ¹ | 13 ¹ | 1 | 1 | - | 2 |
| b. Girls (Unit Trade) | 46 ¹ | 41 ¹ | - | 1 | - | - | 46 ¹ | 42 ¹ | 7 | 14 | 6 | 8 | 45 ¹ | 36 ¹ | 7 | 14 | 6 | 9 |
| c. Industrial Department | 62 ¹ | 7 | 1 | - | - | - | 63 ¹ | 7 | 6 | 2 | 5 | 2 | 62 ¹ | 7 | 6 | 2 | 5 | 2 |
| 2. Part-time | | | | | | | | | | | | | | | | | | |
| a. Cooperative | 102 ¹ | 62 ¹ | 10 | 3 | 3 | 6 | 109 ¹ | 59 ¹ | 11 | 18 | 28 | 15 | 126 ¹ | 56 ¹ | 14 | 24 | 38 | 18 |
| b. Trade Preparatory | | | | | | | | | | | | | | | | | | |
| Men | 20 ¹ | - | - | - | - | - | 20 ¹ | - | 6 ¹ | - | 5 | - | 19 ¹ | - | 6 ¹ | - | 5 | - |
| Women | 7 ¹ | - | - | - | - | - | 7 ¹ | - | - | - | - | - | 7 ¹ | - | - | - | - | - |
| c. Evening Trade Extension | | | | | | | | | | | | | | | | | | |
| Men | 325 ¹ | 5 | 15 ¹ | - | 2 | - | 338 ¹ | 5 | 62 | 2 | 51 | - | 211 ¹ | 4 | 62 | 2 | 51 | - |
| Women | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| d. Apprenticeship | 159 ¹ | 2 | 7 ¹ | - | - | - | 166 ¹ | 2 | 37 | 1 | 47 | - | 176 ¹ | - | 37 | 1 | 54 | - |
| II. AREA VOCATIONAL | | | | | | | | | | | | | | | | | | |
| 1. Day | 68 ¹ | 21 ¹ | 2 ¹ | 3 | - | - | 70 ¹ | 24 ¹ | 6 | 7 | 13 | 5 | 75 ¹ | 21 ¹ | 6 | 7 | 13 | 5 |
| 2. Evening | 50 ¹ | 3 ¹ | 2 | - | - | - | 52 ¹ | 3 ¹ | 18 | 1 | 26 ¹ | - | 60 ¹ | 2 ¹ | 18 | 1 | 28 ¹ | - |
| III. HOUSEHOLD ARTS | | | | | | | | | | | | | | | | | | |
| 1. Day | | | | | | | | | | | | | | | | | | |
| a. School | 35 ¹ | 24 ¹ | - | - | - | - | 35 ¹ | 24 ¹ | 5 | 1 | 5 | 2 | 35 ¹ | 23 ¹ | 5 | 1 | 3 | 2 |
| b. High School Department | 56 ¹ | 12 ¹ | 4 | 3 ¹ | - | - | 60 ¹ | 15 ¹ | 9 ¹ | 5 ¹ | 12 ¹ | 1 ¹ | 63 ¹ | 11 ¹ | 9 ¹ | 5 ¹ | 16 ¹ | 4 ¹ |
| 2. Evening | 1063 ¹ | 75 ¹ | 7 | 1 ¹ | 7 | - | 1063 ¹ | 76 ¹ | 186 ¹ | 15 ¹ | 205 ¹ | 14 ¹ | 1082 ¹ | 75 ¹ | 193 ¹ | 15 ¹ | 212 ¹ | 14 ¹ |
| IV. PRACTICAL NURSING | | | | | | | | | | | | | | | | | | |
| 1. Day | 38 ¹ | 17 ¹ | - | - | - | - | 38 ¹ | 17 ¹ | 4 | 1 ¹ | 13 | - | 47 ¹ | 16 ¹ | 4 | 1 ¹ | 13 | - |
| 2. Evening | 14 ¹ | 2 ¹ | - | - | 2 | 1 ¹ | 12 ¹ | 1 ¹ | 6 | 1 ¹ | 6 | - | 14 ¹ | 1 ¹ | 6 | 1 ¹ | 6 | - |
| V. AGRICULTURAL | | | | | | | | | | | | | | | | | | |
| 1. Day | | | | | | | | | | | | | | | | | | |
| a. School | 49 ¹ | 22 | - | - | - | - | 49 ¹ | 22 ¹ | 8 | 1 | 6 ¹ | 1 | 47 ¹ | 22 ¹ | 8 | 1 ¹ | 6 ¹ | 1 |
| b. High School Department | 27 ¹ | 4 ¹ | - | - | 1 | 1 ¹ | 26 ¹ | 3 ¹ | 3 | - | 7 ¹ | - | 30 ¹ | 3 ¹ | 4 ¹ | 1 ¹ | 7 ¹ | - |
| 2. Evening | 44 ¹ | - | - | - | 4 ¹ | - | 40 ¹ | - | 13 ¹ | - | 8 ¹ | - | 35 ¹ | - | 17 ¹ | - | 8 ¹ | - |
| VI. DISTRIBUTIVE OCCUPATIONS | | | | | | | | | | | | | | | | | | |
| 1. Part-time Cooperative | 37 ¹ | 21 ¹ | 3 | 2 | 3 ¹ | 1 | 37 ¹ | 22 ¹ | 5 ¹ | 8 ¹ | 10 ¹ | 5 ¹ | 42 ¹ | 19 ¹ | 8 ¹ | 9 ¹ | 13 | 7 ¹ |
| 2. Evening | 31 ¹ | - | - | - | - | - | 31 ¹ | - | 10 | 1 | 5 | 1 | 26 ¹ | 1 | 10 ¹ | 1 | 5 | 1 |

¹ This figure includes the Director.

| Section 1 | | | | Section 2 | | | |
|-----------|---|-------------|---|-----------|---|-------------|---|
| Item | | Description | | Item | | Description | |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 2 | 1 | 1 | 1 | 2 | 1 | 1 | 1 |
| 3 | 1 | 1 | 1 | 3 | 1 | 1 | 1 |
| 4 | 1 | 1 | 1 | 4 | 1 | 1 | 1 |
| 5 | 1 | 1 | 1 | 5 | 1 | 1 | 1 |
| 6 | 1 | 1 | 1 | 6 | 1 | 1 | 1 |
| 7 | 1 | 1 | 1 | 7 | 1 | 1 | 1 |
| 8 | 1 | 1 | 1 | 8 | 1 | 1 | 1 |
| 9 | 1 | 1 | 1 | 9 | 1 | 1 | 1 |
| 10 | 1 | 1 | 1 | 10 | 1 | 1 | 1 |
| 11 | 1 | 1 | 1 | 11 | 1 | 1 | 1 |
| 12 | 1 | 1 | 1 | 12 | 1 | 1 | 1 |
| 13 | 1 | 1 | 1 | 13 | 1 | 1 | 1 |
| 14 | 1 | 1 | 1 | 14 | 1 | 1 | 1 |
| 15 | 1 | 1 | 1 | 15 | 1 | 1 | 1 |
| 16 | 1 | 1 | 1 | 16 | 1 | 1 | 1 |
| 17 | 1 | 1 | 1 | 17 | 1 | 1 | 1 |
| 18 | 1 | 1 | 1 | 18 | 1 | 1 | 1 |
| 19 | 1 | 1 | 1 | 19 | 1 | 1 | 1 |
| 20 | 1 | 1 | 1 | 20 | 1 | 1 | 1 |
| 21 | 1 | 1 | 1 | 21 | 1 | 1 | 1 |
| 22 | 1 | 1 | 1 | 22 | 1 | 1 | 1 |
| 23 | 1 | 1 | 1 | 23 | 1 | 1 | 1 |
| 24 | 1 | 1 | 1 | 24 | 1 | 1 | 1 |
| 25 | 1 | 1 | 1 | 25 | 1 | 1 | 1 |
| 26 | 1 | 1 | 1 | 26 | 1 | 1 | 1 |
| 27 | 1 | 1 | 1 | 27 | 1 | 1 | 1 |
| 28 | 1 | 1 | 1 | 28 | 1 | 1 | 1 |
| 29 | 1 | 1 | 1 | 29 | 1 | 1 | 1 |
| 30 | 1 | 1 | 1 | 30 | 1 | 1 | 1 |
| 31 | 1 | 1 | 1 | 31 | 1 | 1 | 1 |
| 32 | 1 | 1 | 1 | 32 | 1 | 1 | 1 |
| 33 | 1 | 1 | 1 | 33 | 1 | 1 | 1 |
| 34 | 1 | 1 | 1 | 34 | 1 | 1 | 1 |
| 35 | 1 | 1 | 1 | 35 | 1 | 1 | 1 |
| 36 | 1 | 1 | 1 | 36 | 1 | 1 | 1 |
| 37 | 1 | 1 | 1 | 37 | 1 | 1 | 1 |
| 38 | 1 | 1 | 1 | 38 | 1 | 1 | 1 |
| 39 | 1 | 1 | 1 | 39 | 1 | 1 | 1 |
| 40 | 1 | 1 | 1 | 40 | 1 | 1 | 1 |
| 41 | 1 | 1 | 1 | 41 | 1 | 1 | 1 |
| 42 | 1 | 1 | 1 | 42 | 1 | 1 | 1 |
| 43 | 1 | 1 | 1 | 43 | 1 | 1 | 1 |
| 44 | 1 | 1 | 1 | 44 | 1 | 1 | 1 |
| 45 | 1 | 1 | 1 | 45 | 1 | 1 | 1 |
| 46 | 1 | 1 | 1 | 46 | 1 | 1 | 1 |
| 47 | 1 | 1 | 1 | 47 | 1 | 1 | 1 |
| 48 | 1 | 1 | 1 | 48 | 1 | 1 | 1 |
| 49 | 1 | 1 | 1 | 49 | 1 | 1 | 1 |
| 50 | 1 | 1 | 1 | 50 | 1 | 1 | 1 |
| 51 | 1 | 1 | 1 | 51 | 1 | 1 | 1 |
| 52 | 1 | 1 | 1 | 52 | 1 | 1 | 1 |
| 53 | 1 | 1 | 1 | 53 | 1 | 1 | 1 |
| 54 | 1 | 1 | 1 | 54 | 1 | 1 | 1 |
| 55 | 1 | 1 | 1 | 55 | 1 | 1 | 1 |
| 56 | 1 | 1 | 1 | 56 | 1 | 1 | 1 |
| 57 | 1 | 1 | 1 | 57 | 1 | 1 | 1 |
| 58 | 1 | 1 | 1 | 58 | 1 | 1 | 1 |
| 59 | 1 | 1 | 1 | 59 | 1 | 1 | 1 |
| 60 | 1 | 1 | 1 | 60 | 1 | 1 | 1 |
| 61 | 1 | 1 | 1 | 61 | 1 | 1 | 1 |
| 62 | 1 | 1 | 1 | 62 | 1 | 1 | 1 |
| 63 | 1 | 1 | 1 | 63 | 1 | 1 | 1 |
| 64 | 1 | 1 | 1 | 64 | 1 | 1 | 1 |
| 65 | 1 | 1 | 1 | 65 | 1 | 1 | 1 |
| 66 | 1 | 1 | 1 | 66 | 1 | 1 | 1 |
| 67 | 1 | 1 | 1 | 67 | 1 | 1 | 1 |
| 68 | 1 | 1 | 1 | 68 | 1 | 1 | 1 |
| 69 | 1 | 1 | 1 | 69 | 1 | 1 | 1 |
| 70 | 1 | 1 | 1 | 70 | 1 | 1 | 1 |
| 71 | 1 | 1 | 1 | 71 | 1 | 1 | 1 |
| 72 | 1 | 1 | 1 | 72 | 1 | 1 | 1 |
| 73 | 1 | 1 | 1 | 73 | 1 | 1 | 1 |
| 74 | 1 | 1 | 1 | 74 | 1 | 1 | 1 |
| 75 | 1 | 1 | 1 | 75 | 1 | 1 | 1 |
| 76 | 1 | 1 | 1 | 76 | 1 | 1 | 1 |
| 77 | 1 | 1 | 1 | 77 | 1 | 1 | 1 |
| 78 | 1 | 1 | 1 | 78 | 1 | 1 | 1 |
| 79 | 1 | 1 | 1 | 79 | 1 | 1 | 1 |
| 80 | 1 | 1 | 1 | 80 | 1 | 1 | 1 |
| 81 | 1 | 1 | 1 | 81 | 1 | 1 | 1 |
| 82 | 1 | 1 | 1 | 82 | 1 | 1 | 1 |
| 83 | 1 | 1 | 1 | 83 | 1 | 1 | 1 |
| 84 | 1 | 1 | 1 | 84 | 1 | 1 | 1 |
| 85 | 1 | 1 | 1 | 85 | 1 | 1 | 1 |
| 86 | 1 | 1 | 1 | 86 | 1 | 1 | 1 |
| 87 | 1 | 1 | 1 | 87 | 1 | 1 | 1 |
| 88 | 1 | 1 | 1 | 88 | 1 | 1 | 1 |
| 89 | 1 | 1 | 1 | 89 | 1 | 1 | 1 |
| 90 | 1 | 1 | 1 | 90 | 1 | 1 | 1 |
| 91 | 1 | 1 | 1 | 91 | 1 | 1 | 1 |
| 92 | 1 | 1 | 1 | 92 | 1 | 1 | 1 |
| 93 | 1 | 1 | 1 | 93 | 1 | 1 | 1 |
| 94 | 1 | 1 | 1 | 94 | 1 | 1 | 1 |
| 95 | 1 | 1 | 1 | 95 | 1 | 1 | 1 |
| 96 | 1 | 1 | 1 | 96 | 1 | 1 | 1 |
| 97 | 1 | 1 | 1 | 97 | 1 | 1 | 1 |
| 98 | 1 | 1 | 1 | 98 | 1 | 1 | 1 |
| 99 | 1 | 1 | 1 | 99 | 1 | 1 | 1 |
| 100 | 1 | 1 | 1 | 100 | 1 | 1 | 1 |

Table No. 9 - Number of Different Minors 14 to 16

Years of Age, Who, Within the Calendar Year
Jan. 1 to Dec. 31, 1963 were Employed while
Schools were in Session, as per Returns

| CITIES AND TOWNS | Population
State Census, 1960 | Number of Minors
7 to 16 Years of Age
October 1, 1962 | | | Total Number of Different
minors Employed full-time
within the Town (City) under
Authority of employment permits
and home permits as reported
by the Town (City). | | |
|--|----------------------------------|---|--|---|--|-------|-------|
| | | In regis-
tration of
minors
2 | In public
school
membership
3 | In private
school
membership
4 | Boys | Girls | Total |
| Group I -
Cities | 2,948,572 | 456,878 | 317,434 | 132,693 | 147 | 161 | 308 |
| Group II -
Towns of 5000
population or over | 1,835,727 | 352,036 | 295,749 | 53,835 | 97 | 55 | 152 |
| Group III -
Towns of less than
5000 population
and maintaining
high schools | 280,915 | 55,715 | 51,715 | 3,422 | 15 | 3 | 18 |
| Group IV -
Towns of less than
5000 population
and not maintain-
ing high schools | 83,364 | 16,028 | 14,110 | 1,618 | 7 | 11 | 18 |
| State Totals | 5,148,578 | 880,657 | 679,008 | 191,568 | 266 | 230 | 496 |

